

FIG. 1A

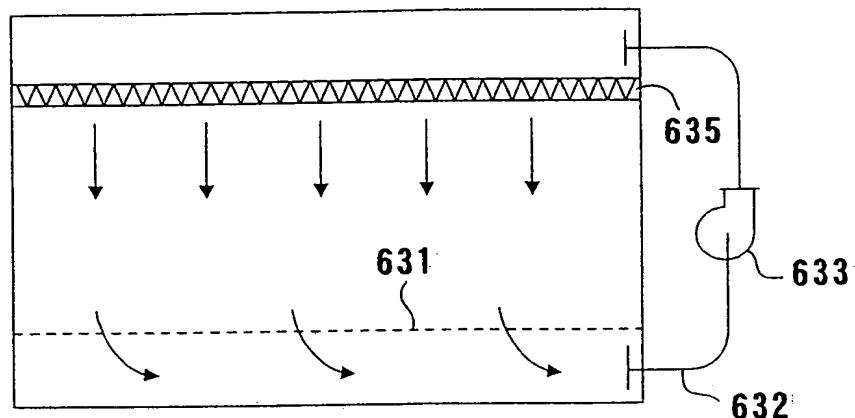


FIG. 1B

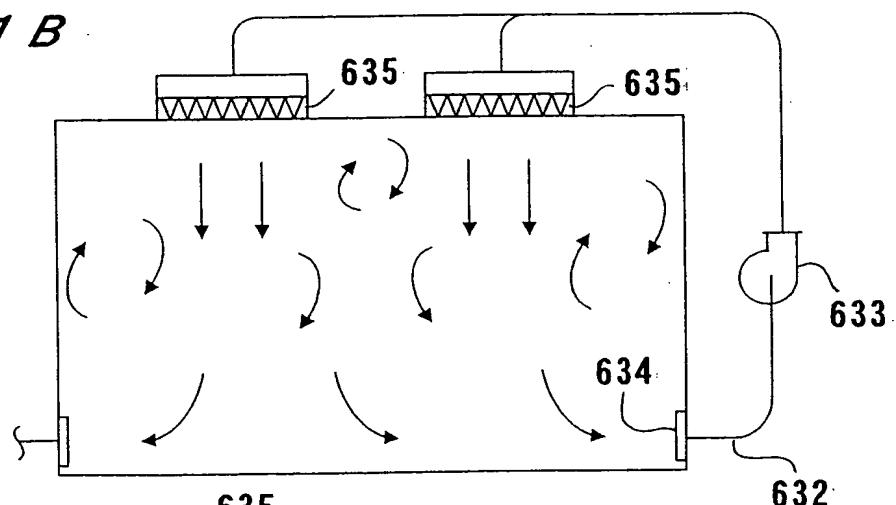


FIG. 1C

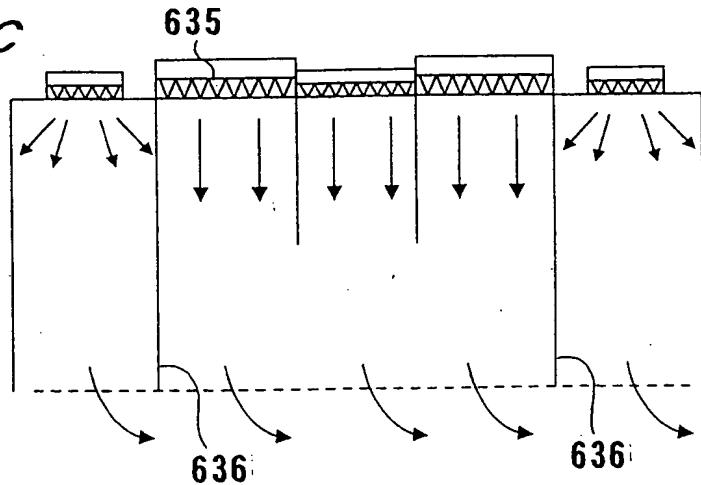
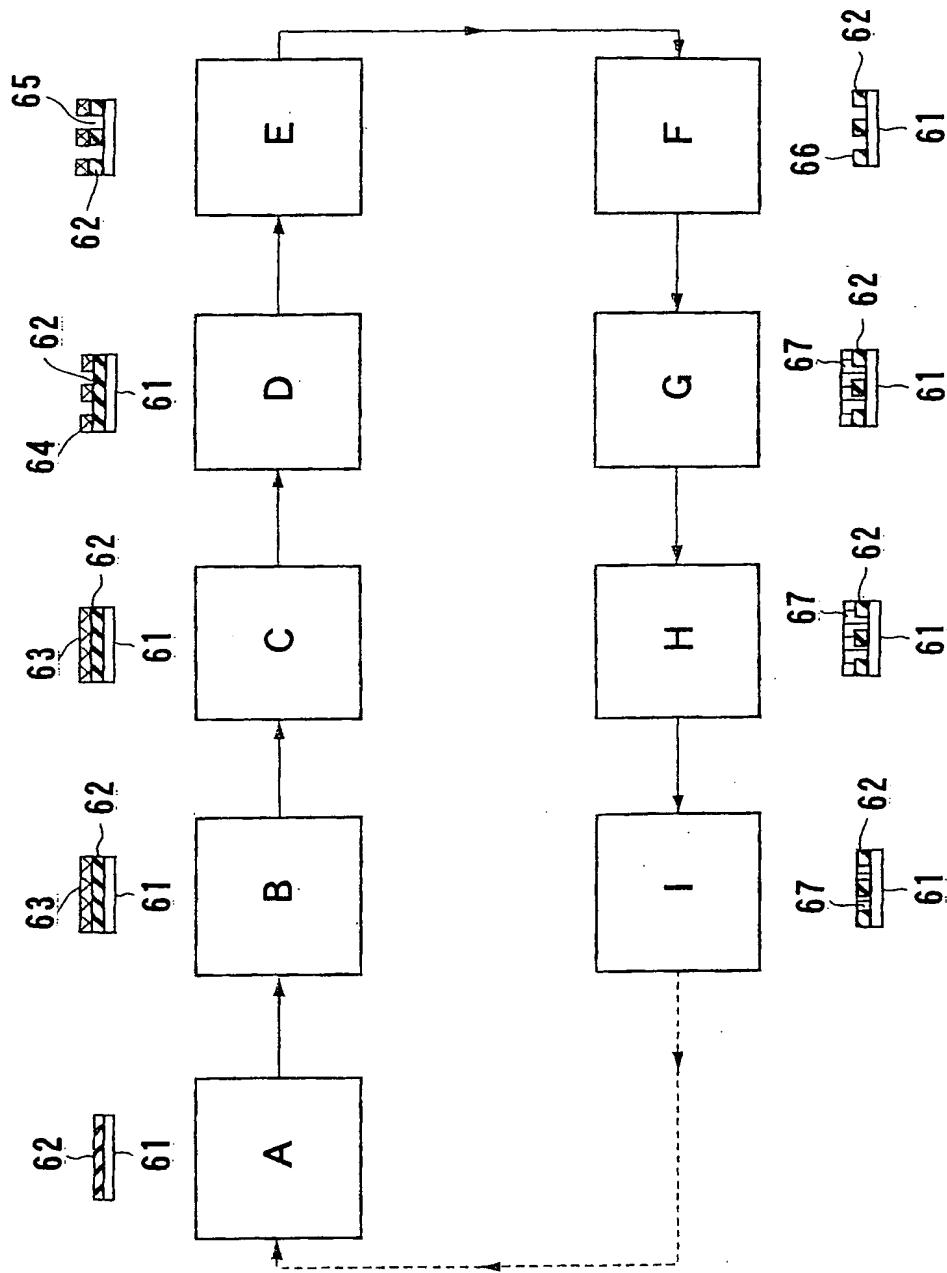
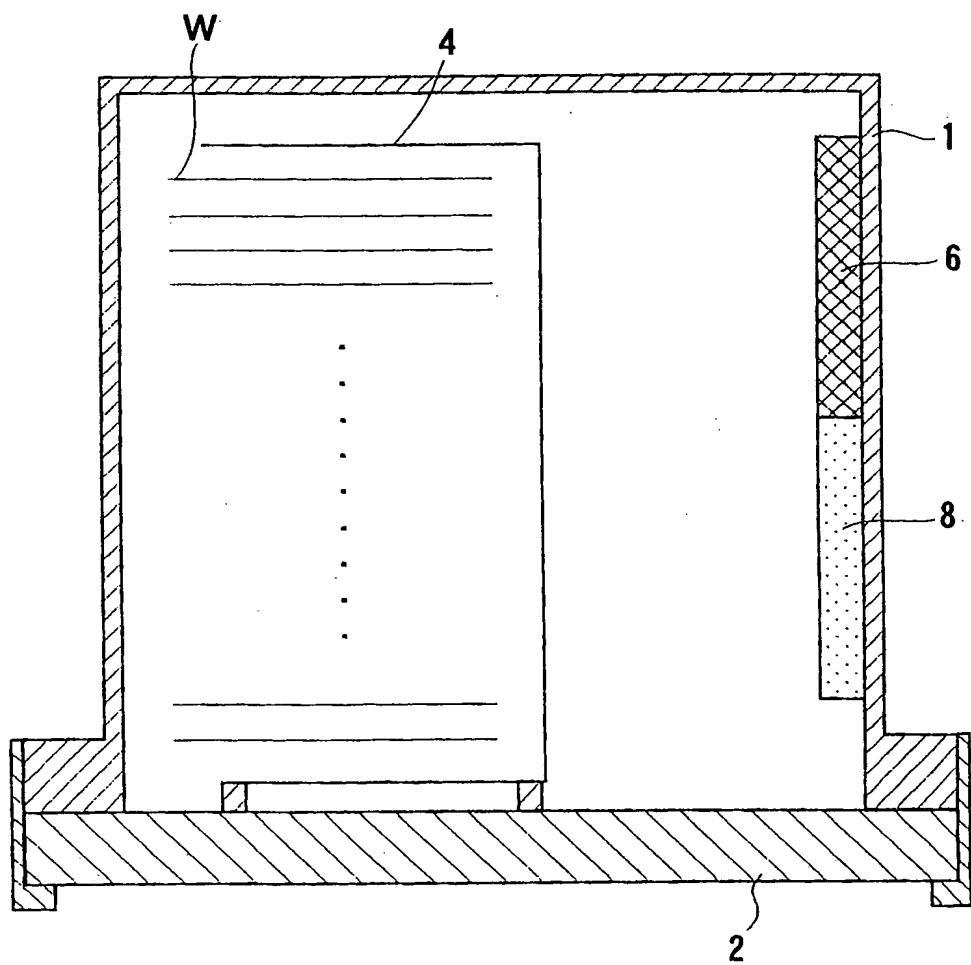


FIG. 2



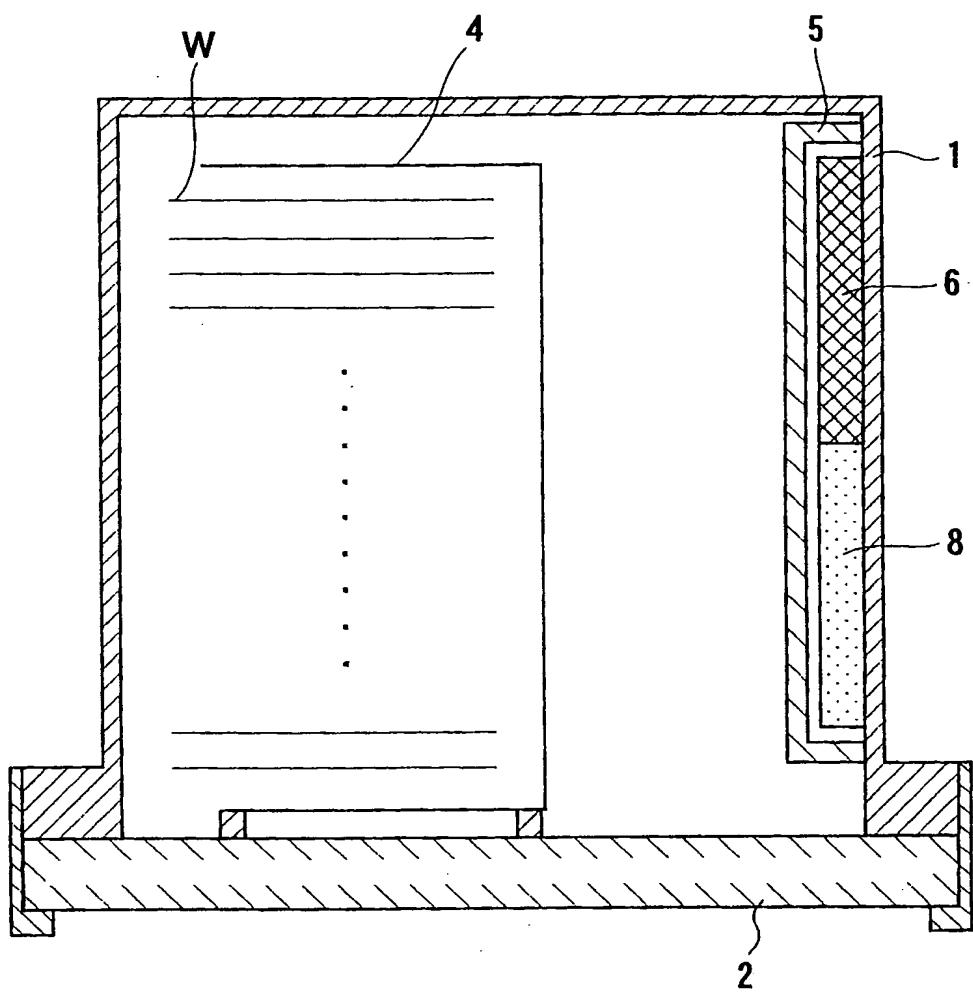
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F I G. 3



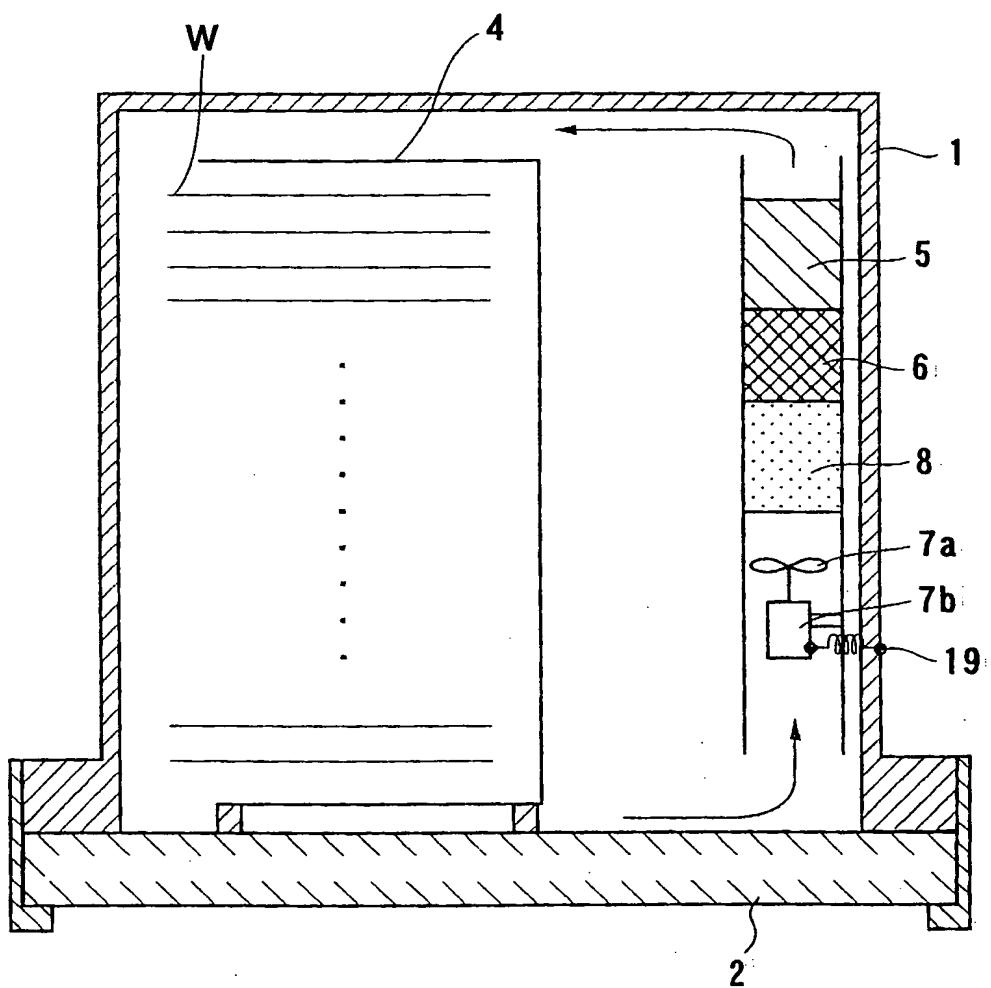
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FIG. 4



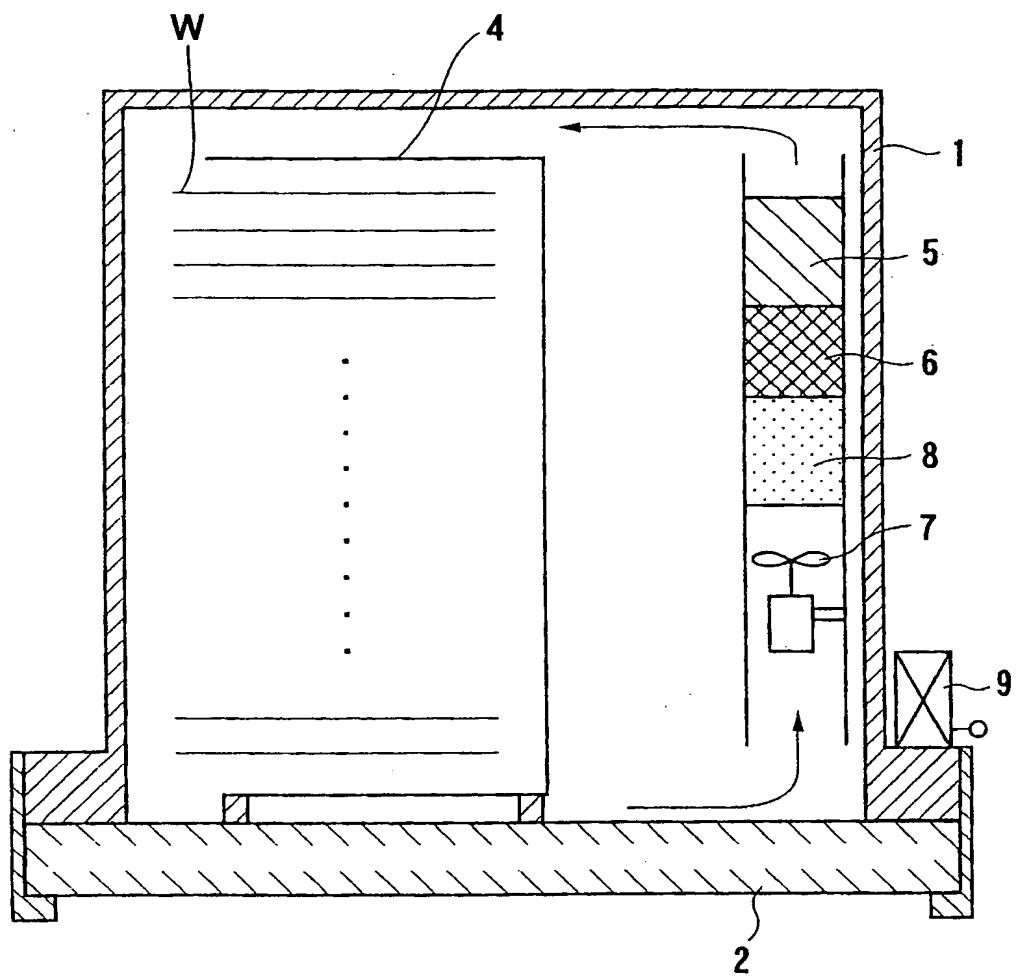
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FIG. 5



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FIG. 6



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F I G. 7

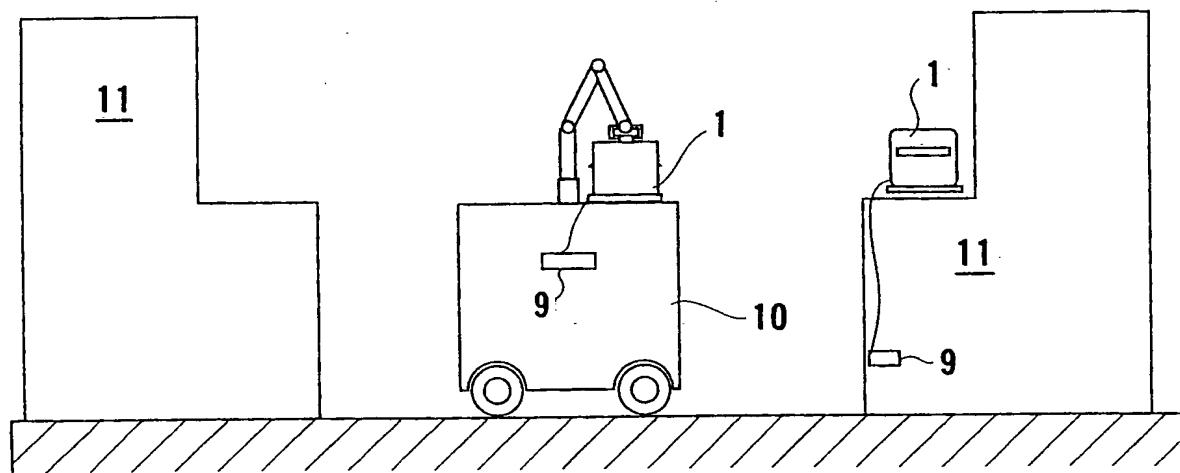
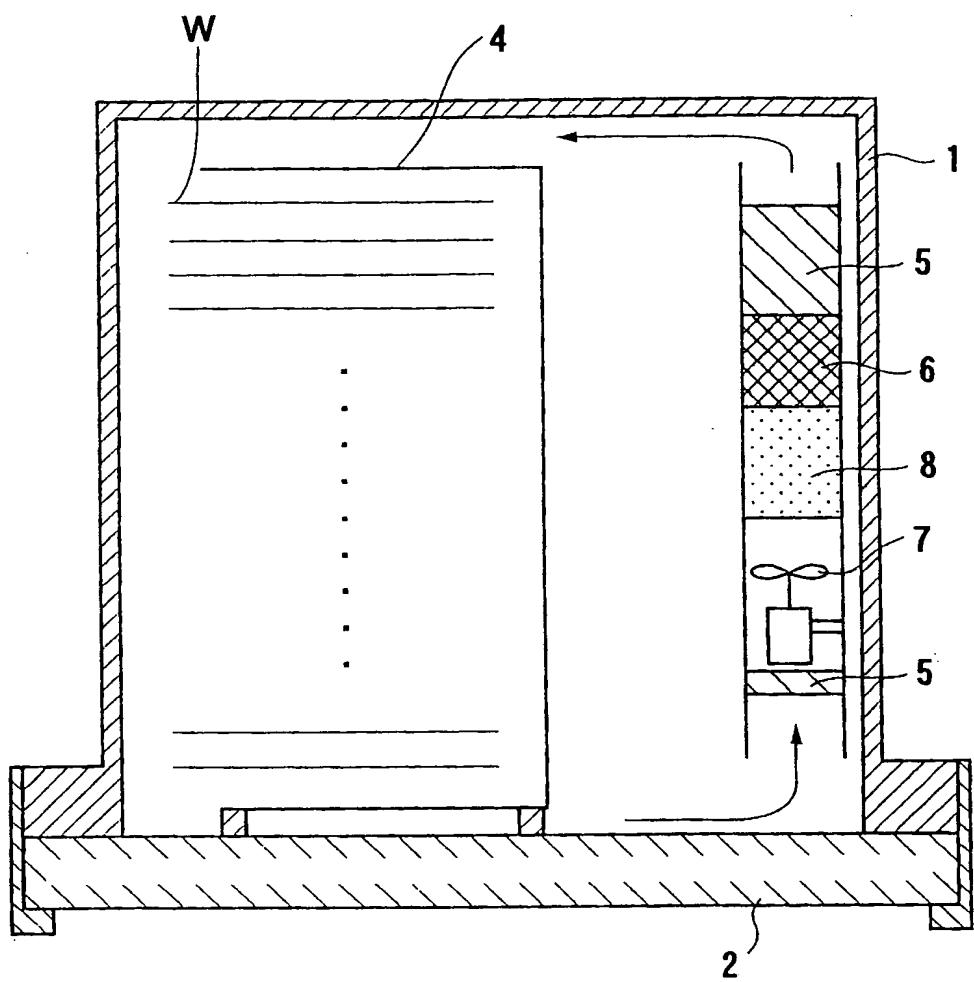
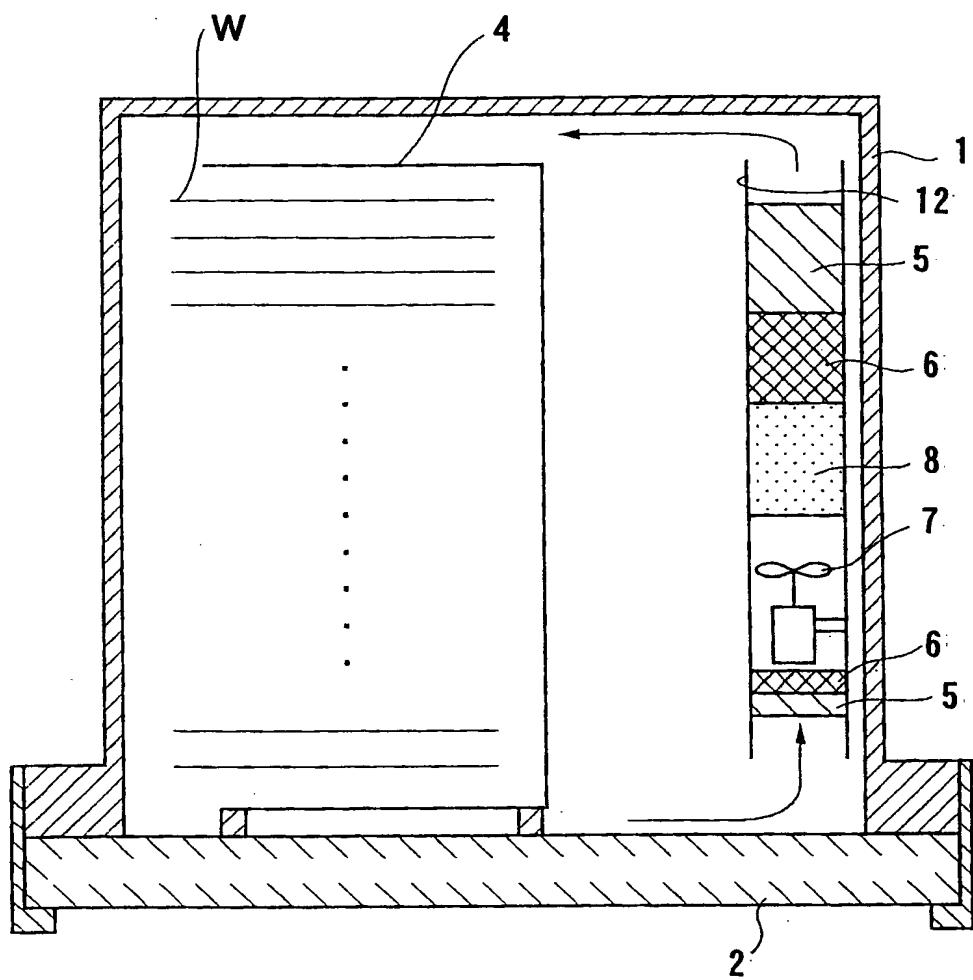


FIG. 8



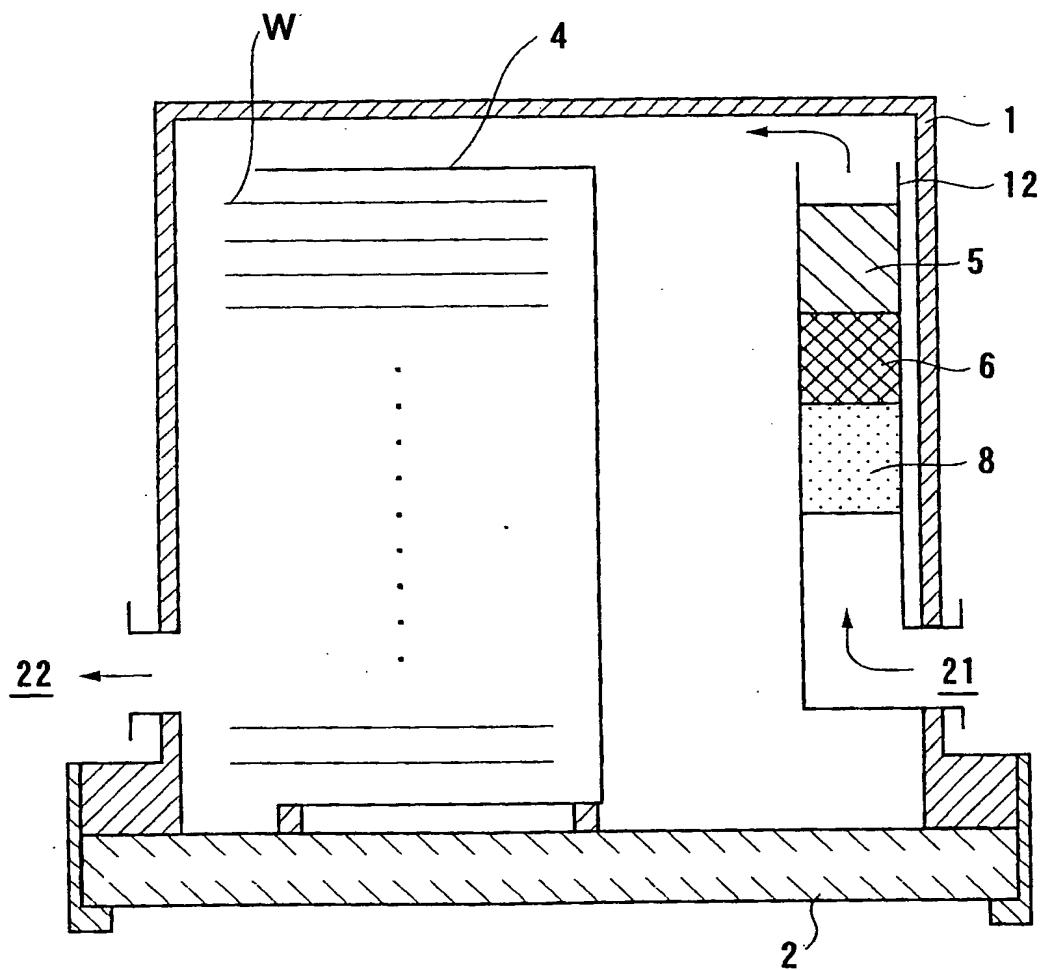
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FIG. 9



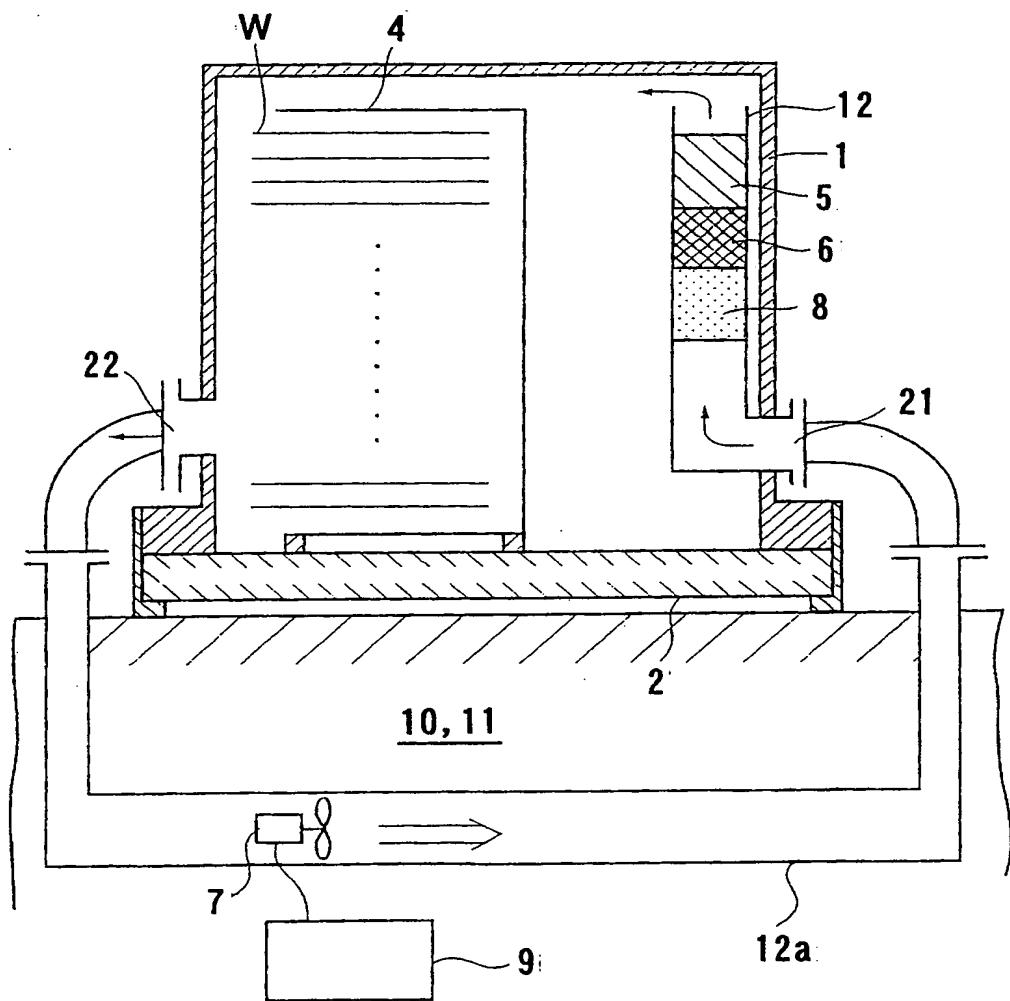
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FIG. 10



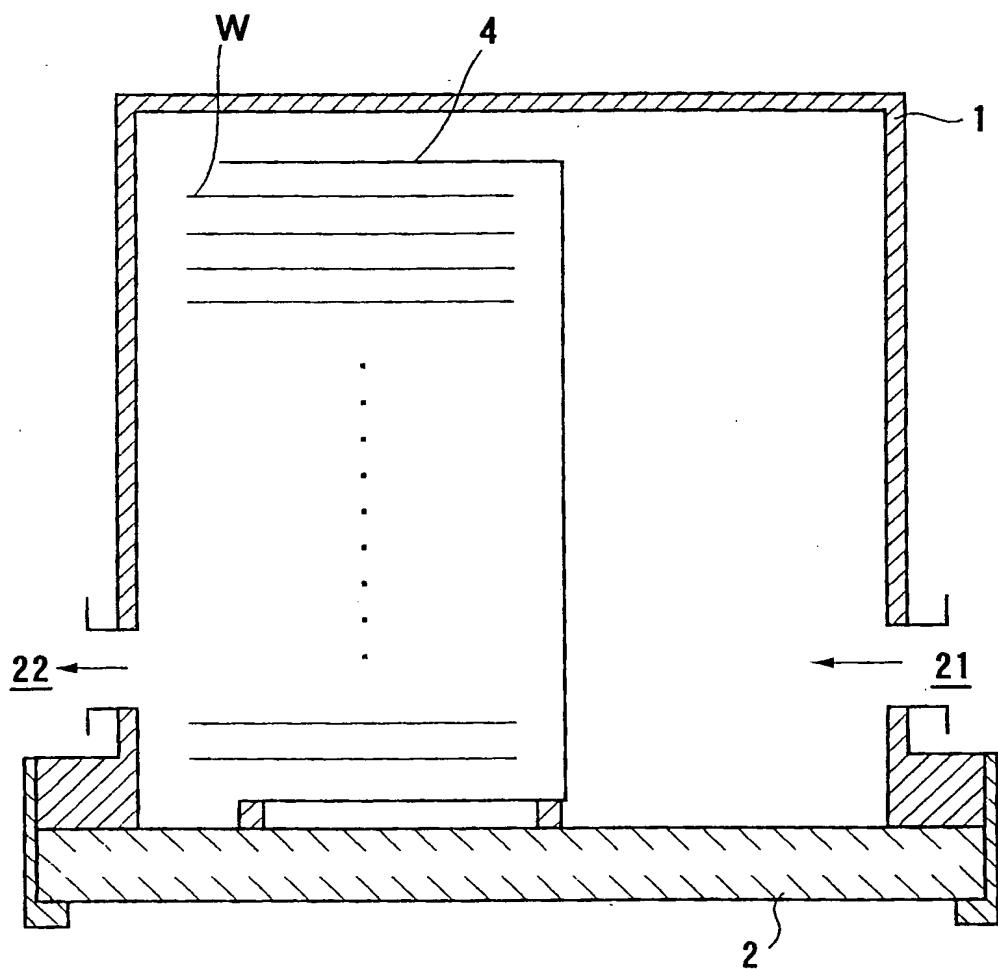
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F I G. 11

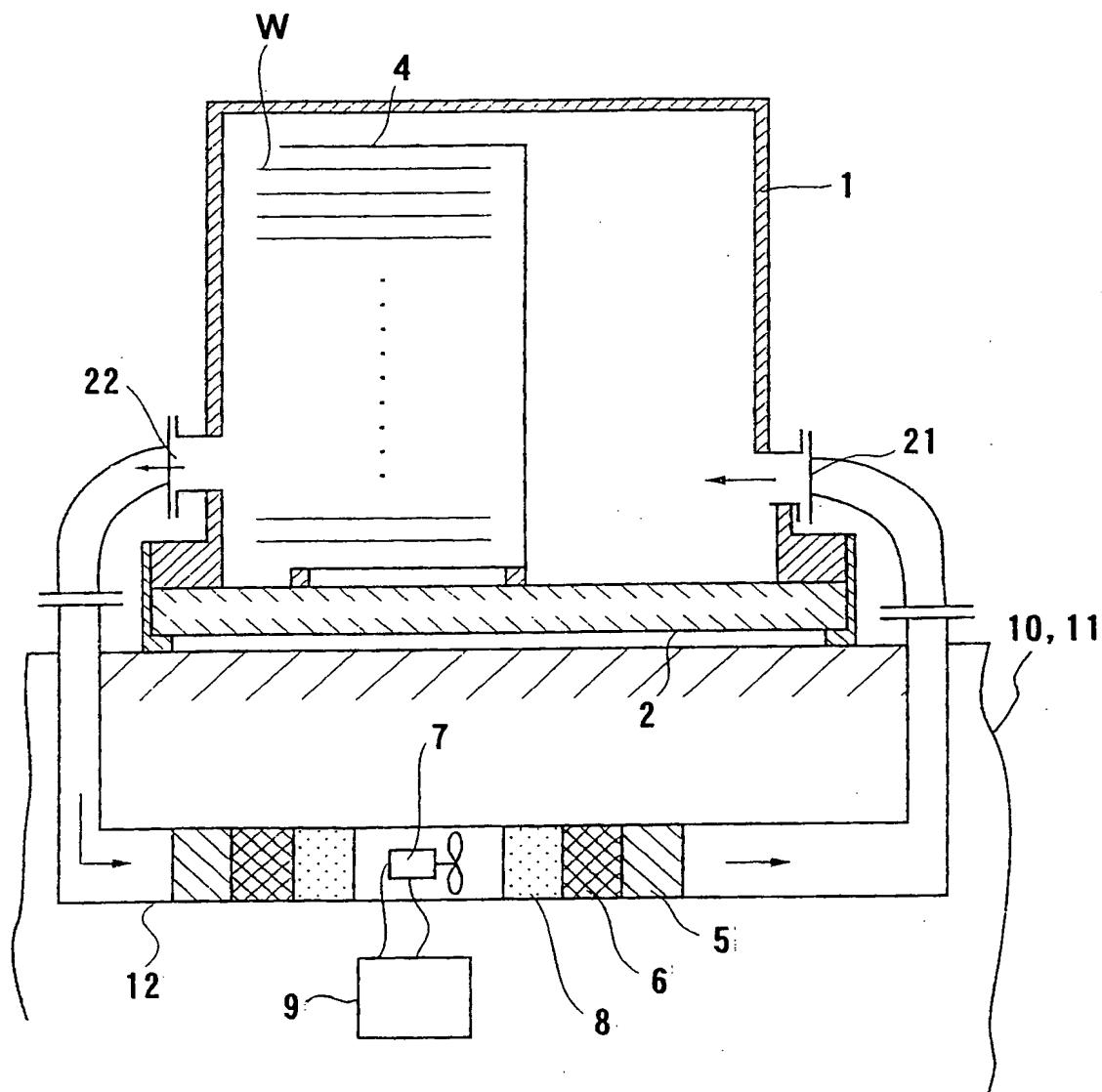


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FIG. 12

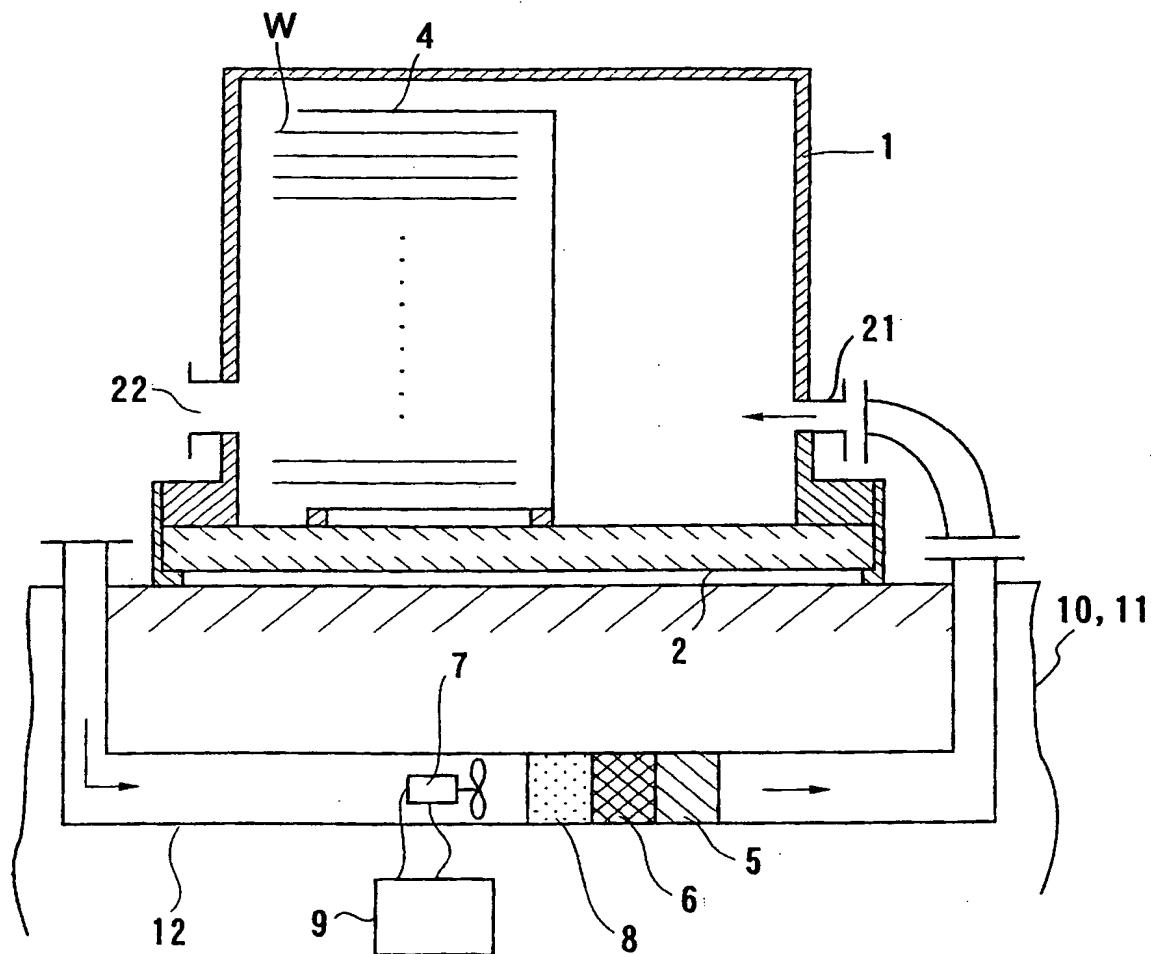


F I G. 13



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F I G. 14



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F I G. 15

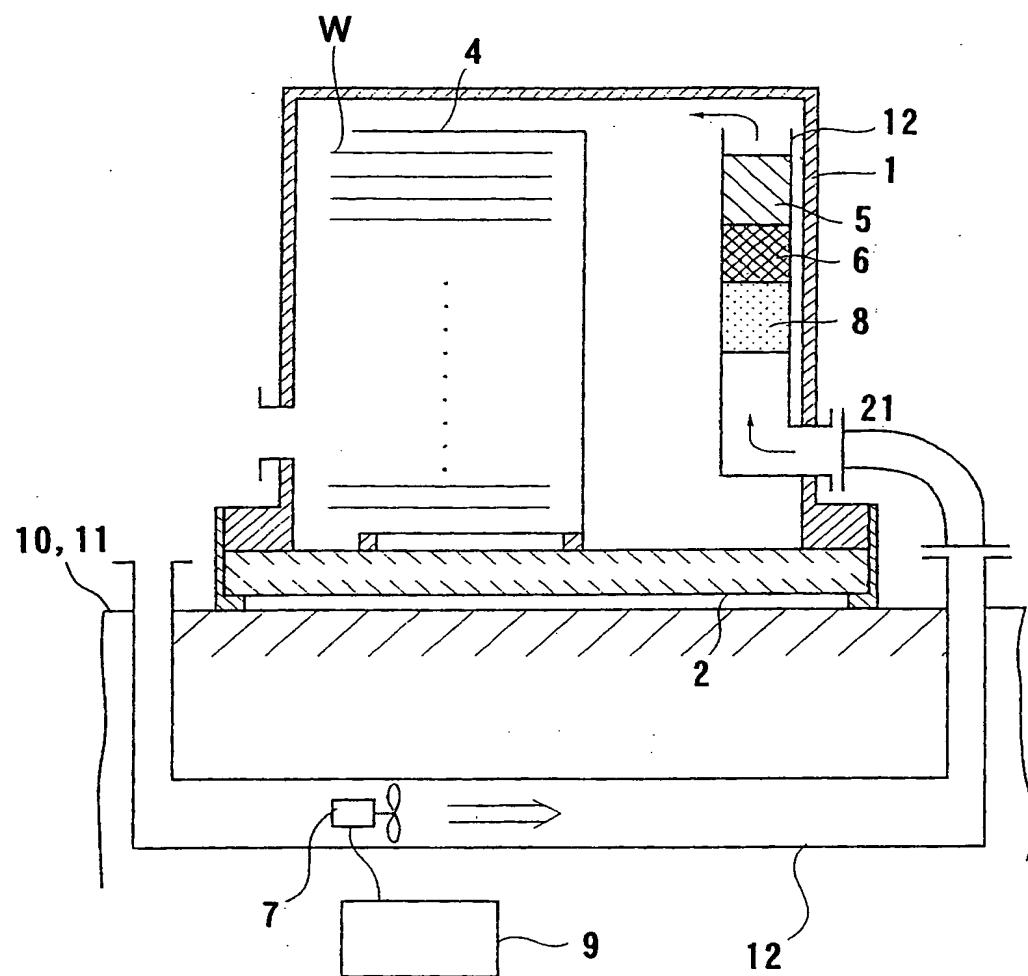
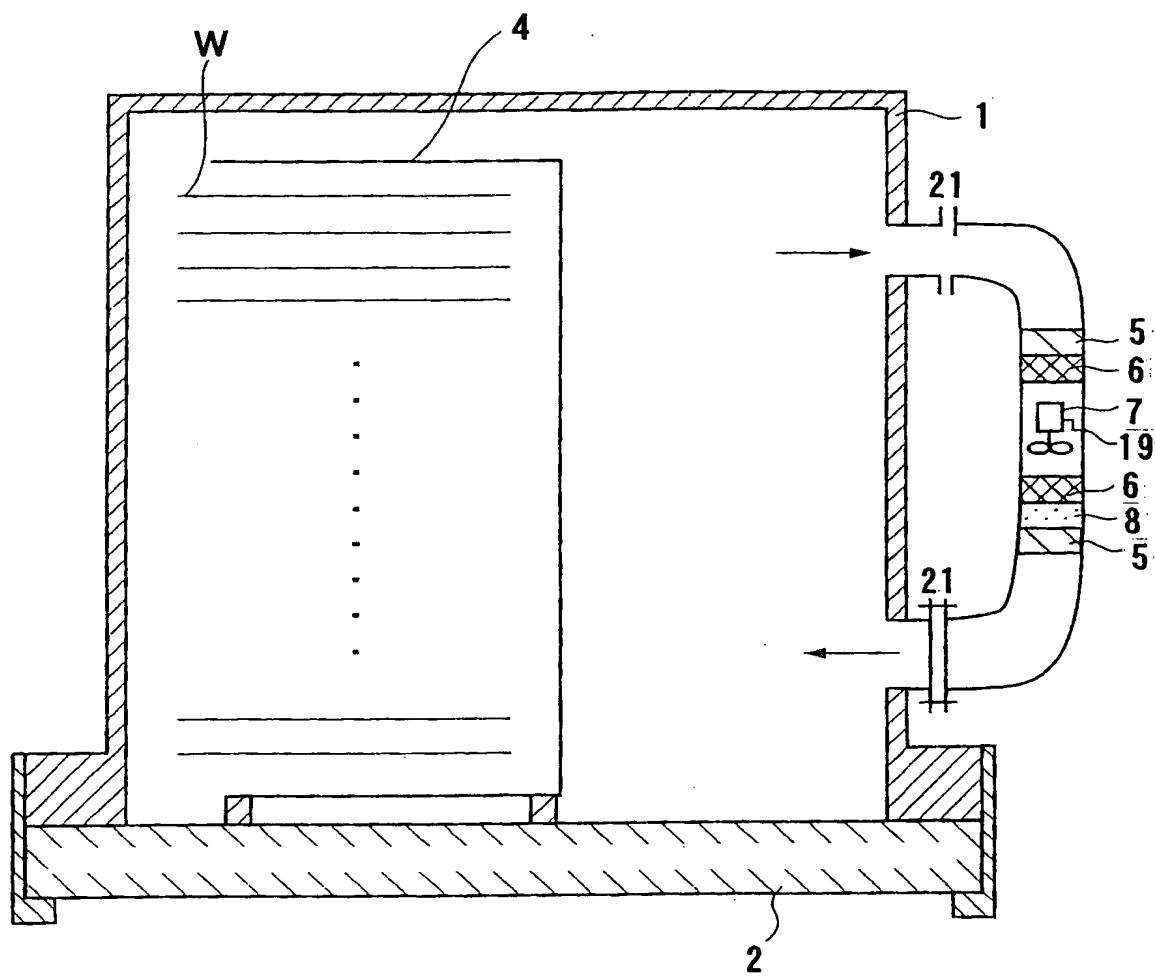
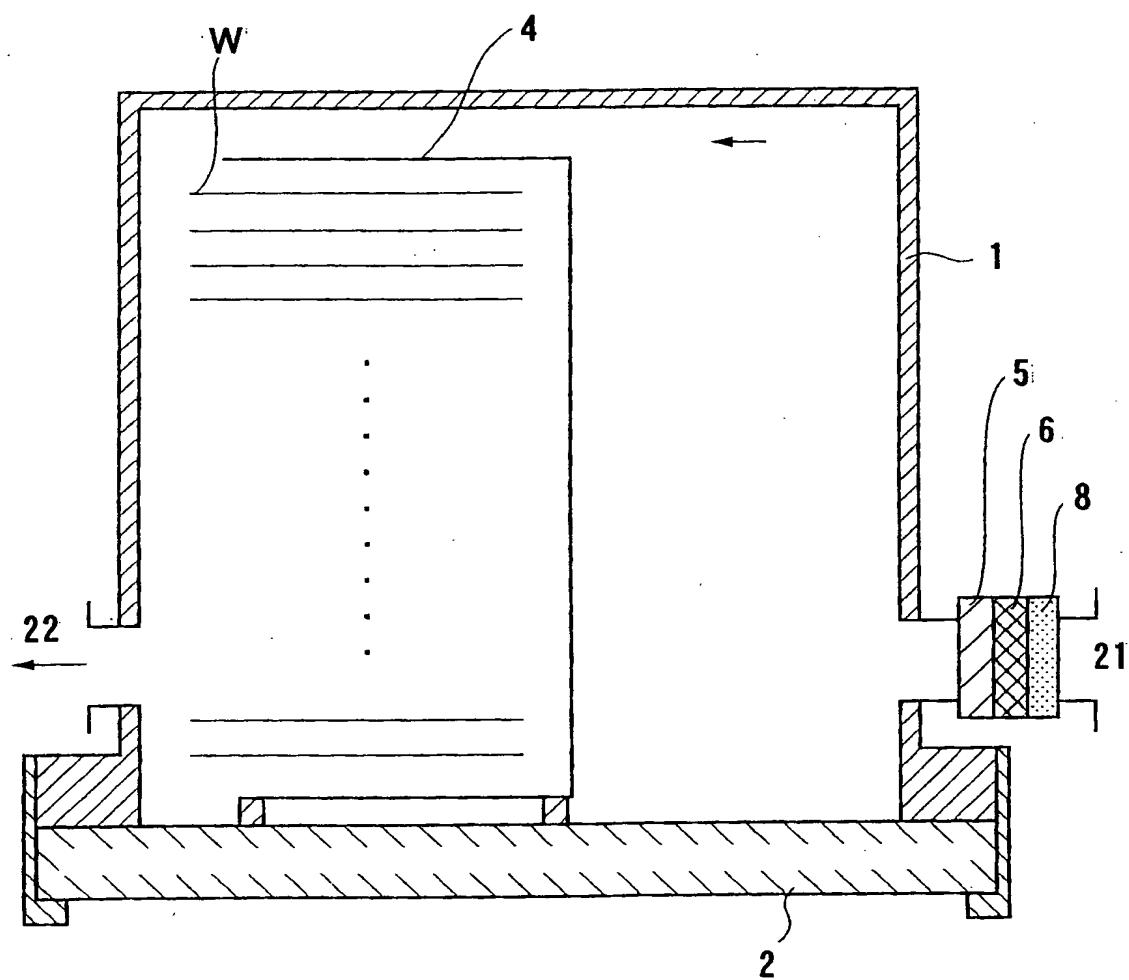


FIG. 16



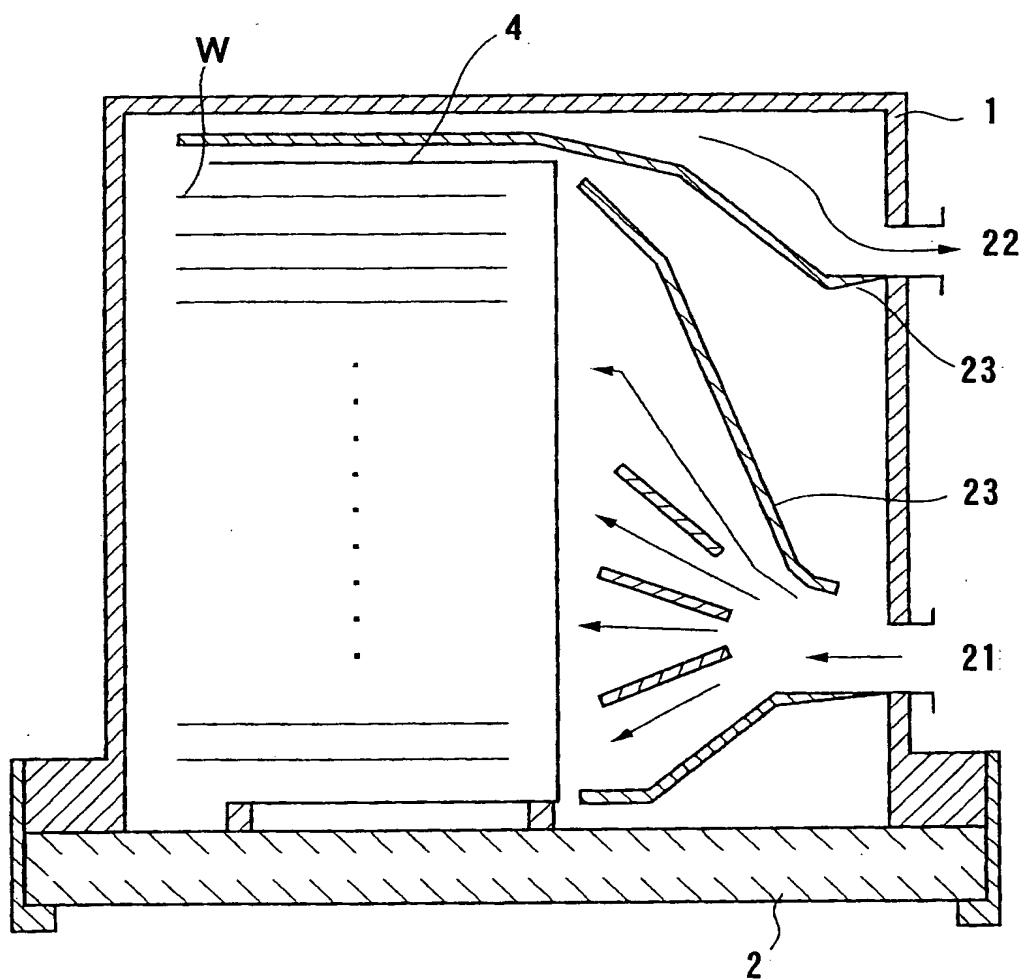
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FIG. 17



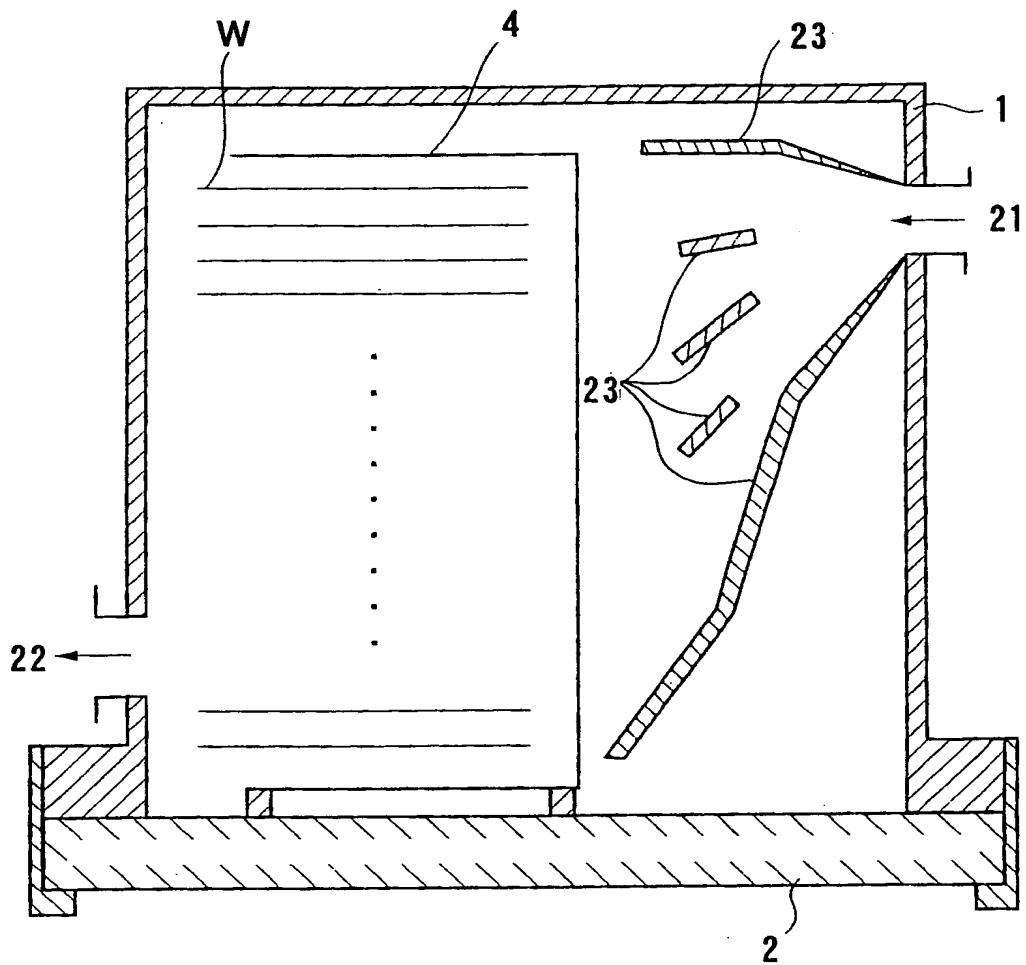
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FIG. 18



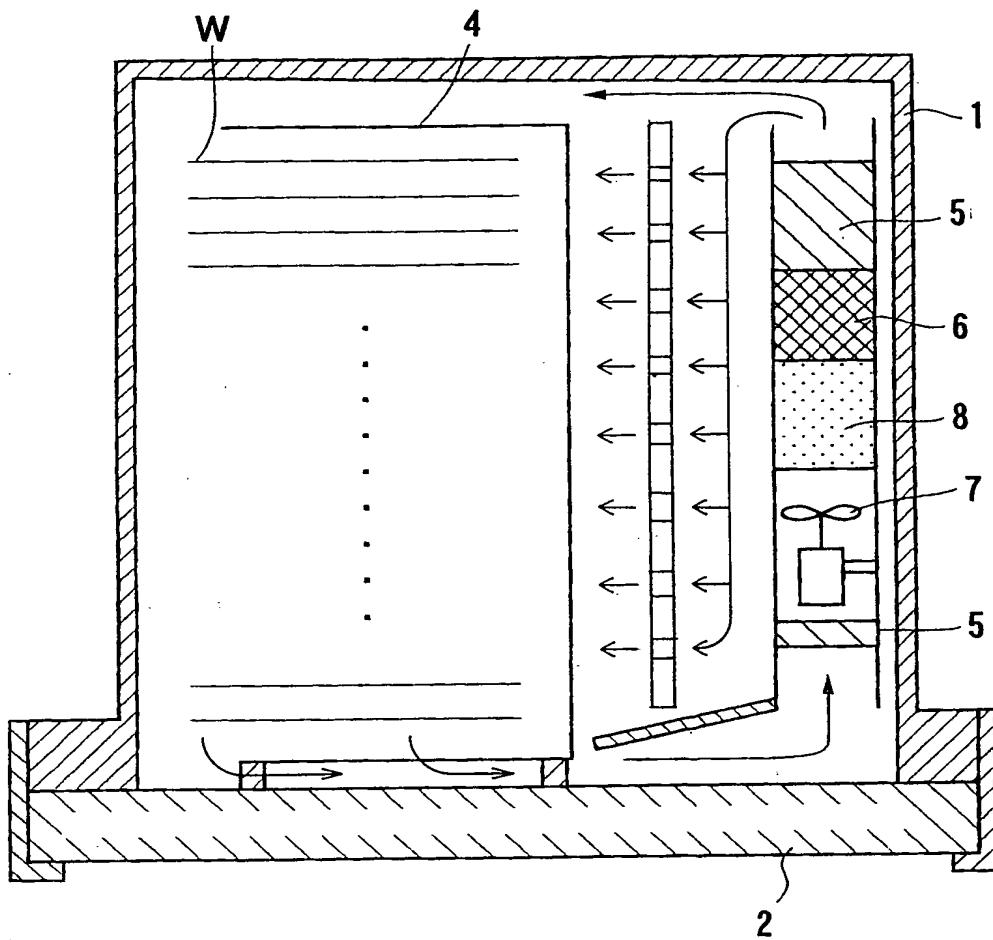
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F I G. 19



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FIG. 20



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FIG. 21A

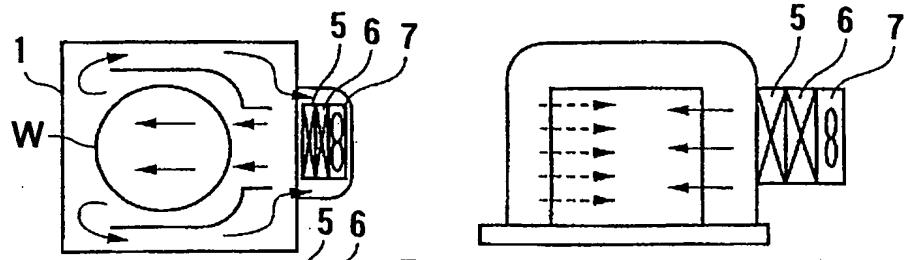


FIG. 21B

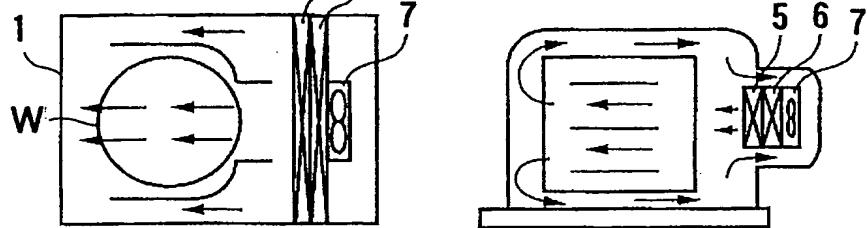


FIG. 21C

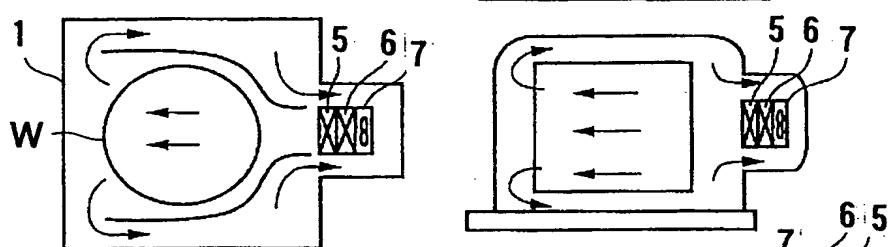


FIG. 21D

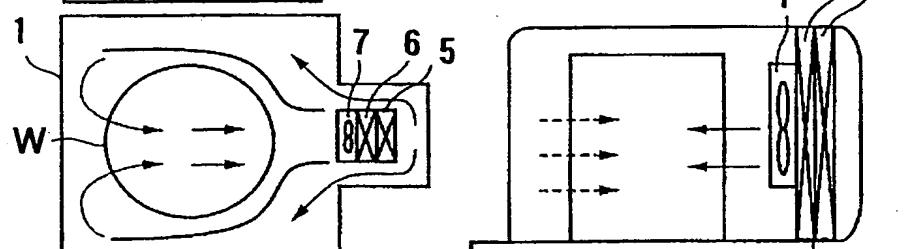


FIG. 21E

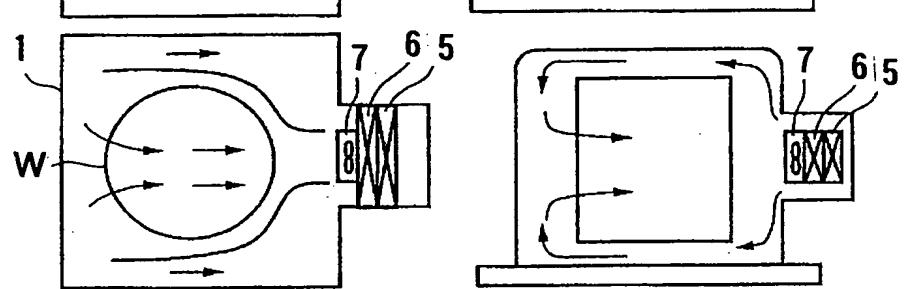
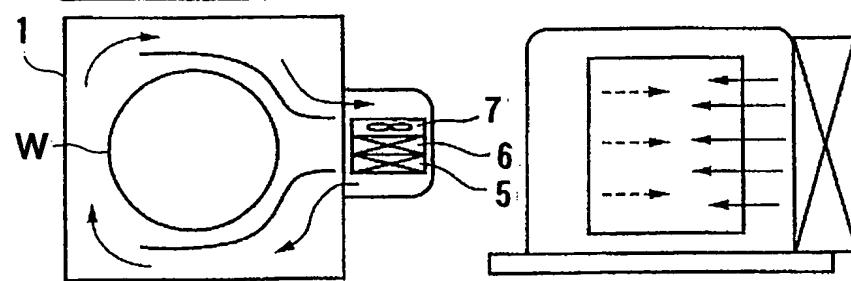
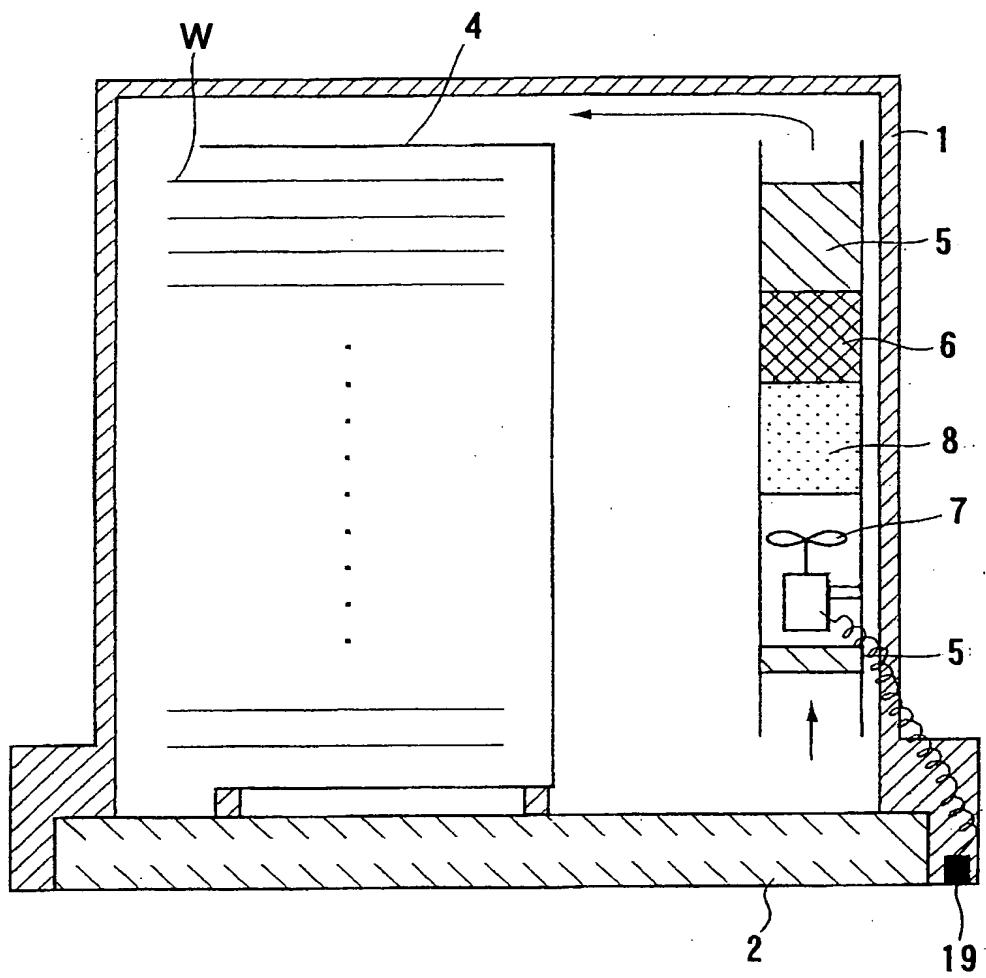


FIG. 21F



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F I G. 22



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FIG. 23A

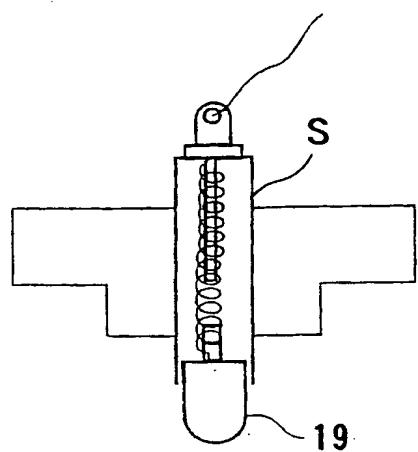
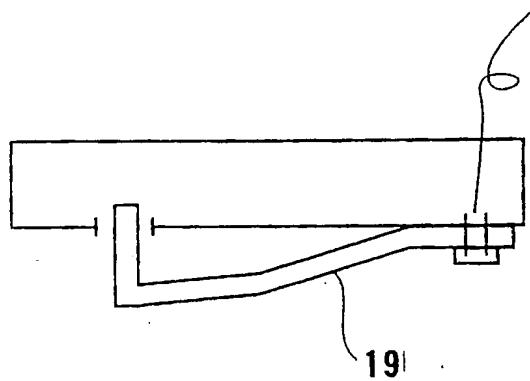
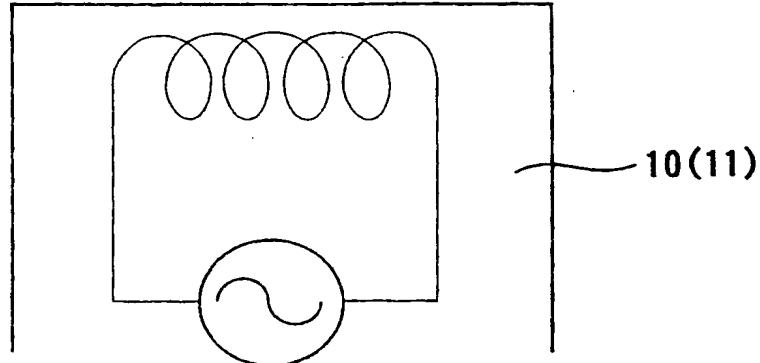
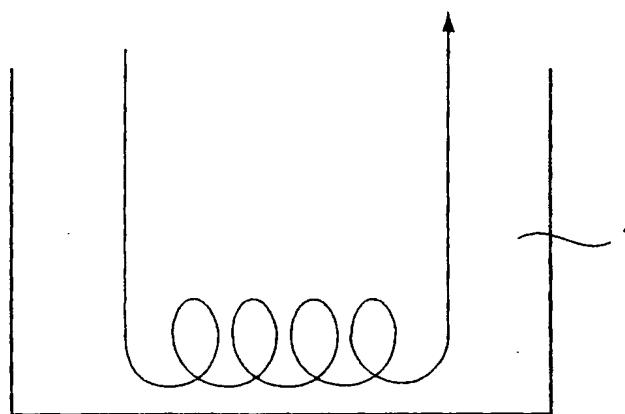


FIG. 23B

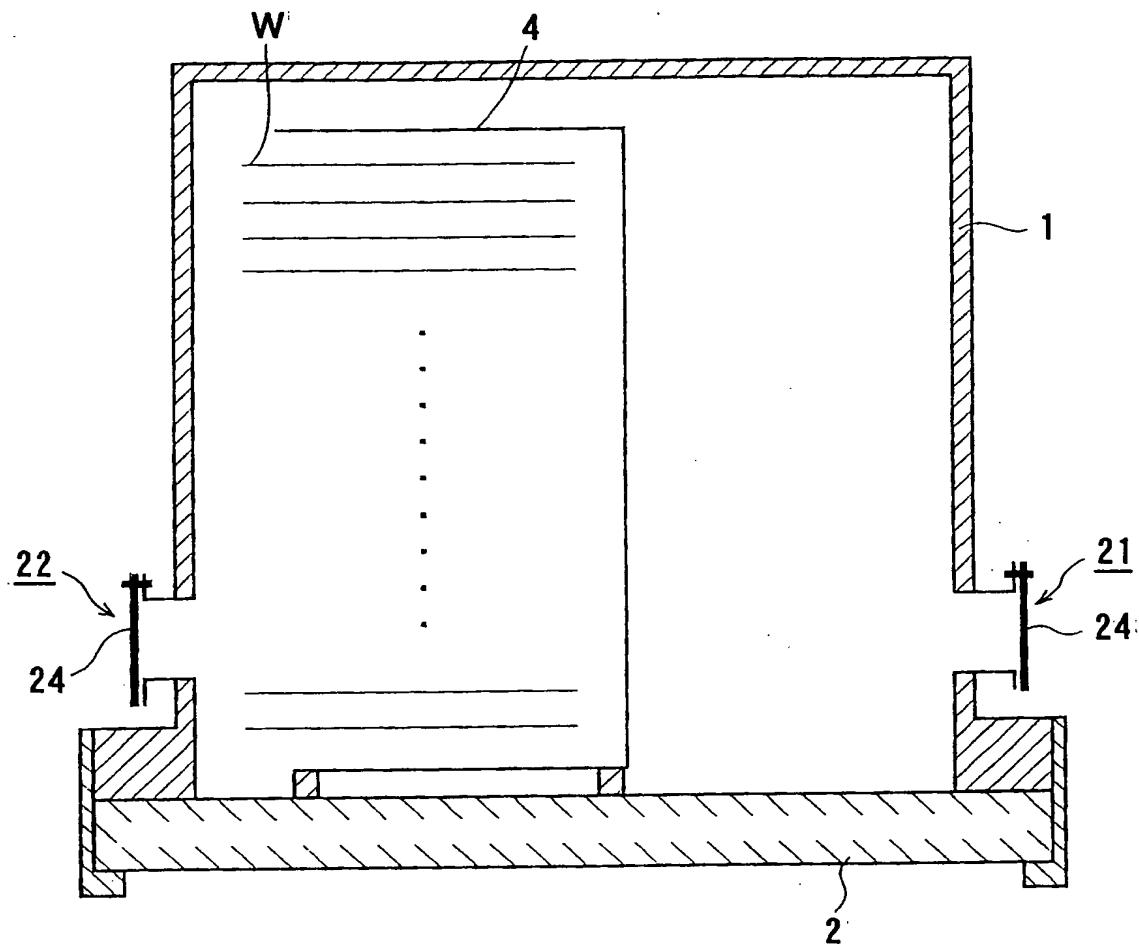


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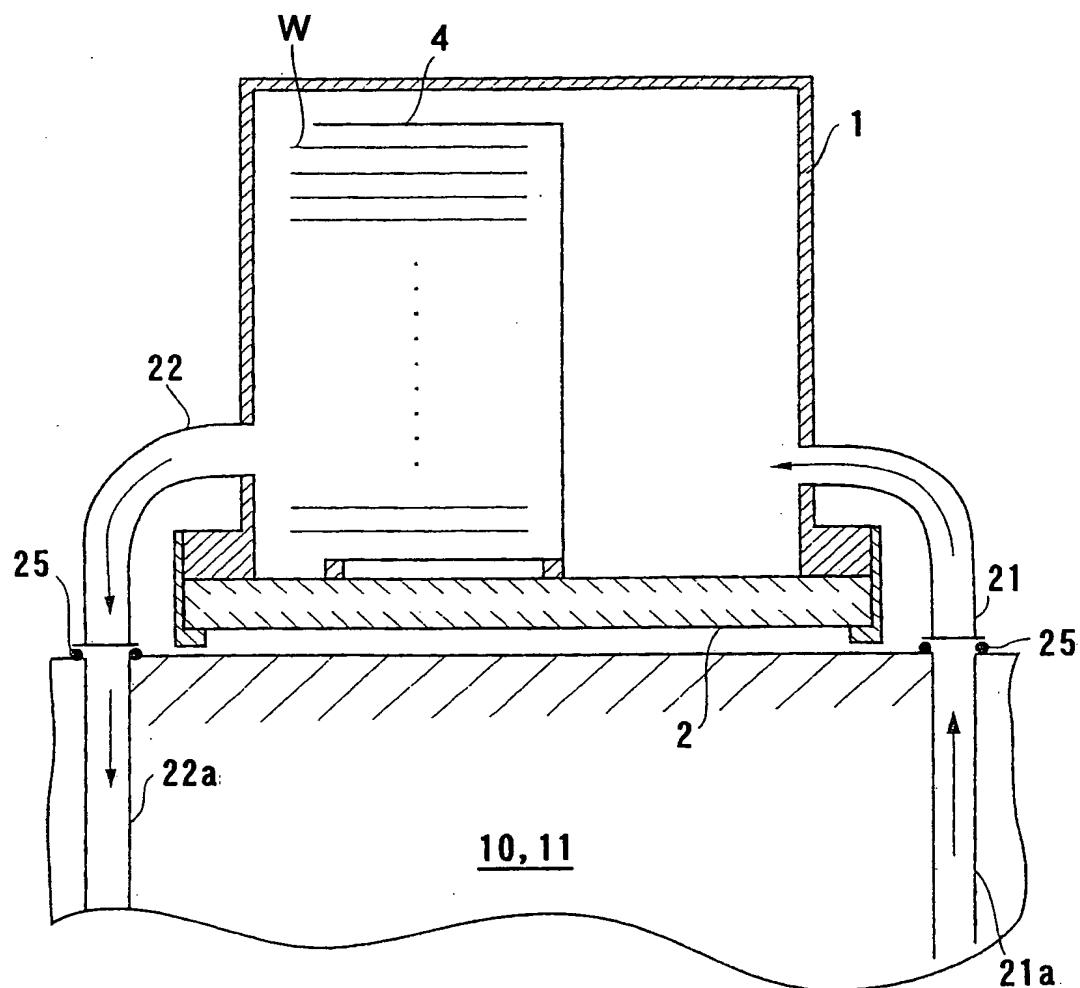
F I G. 24



F I G. 25

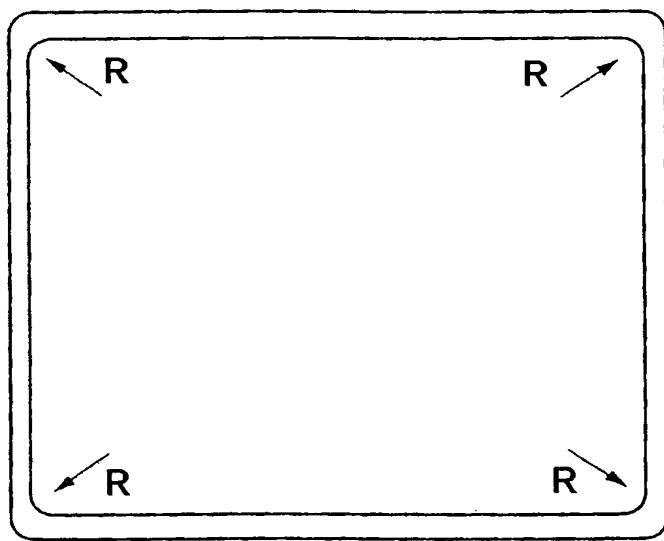


F I G. 26

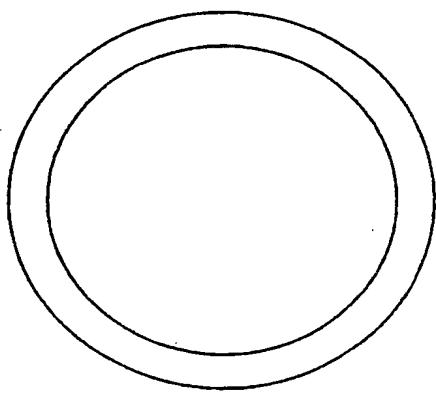


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F I G. 27A

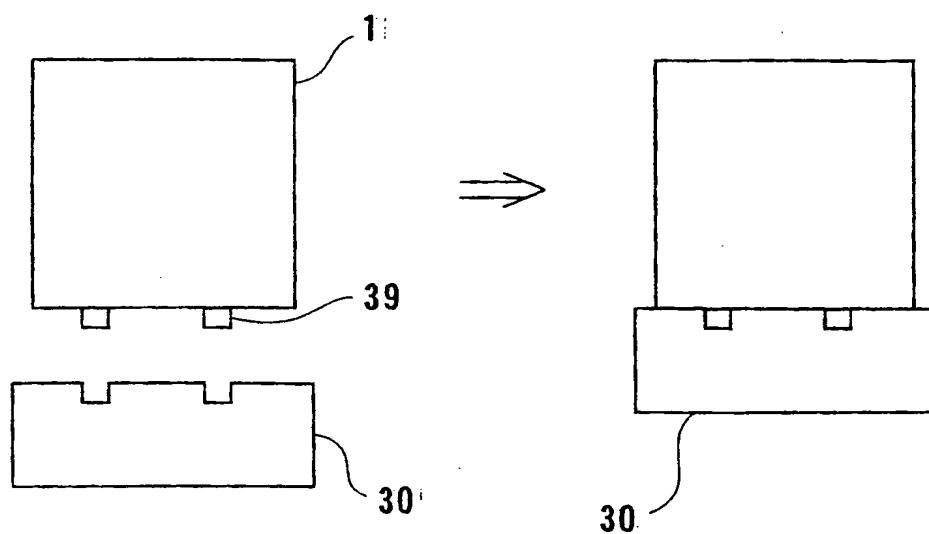


F I G. 27B



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F I G. 28



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FIG. 29A

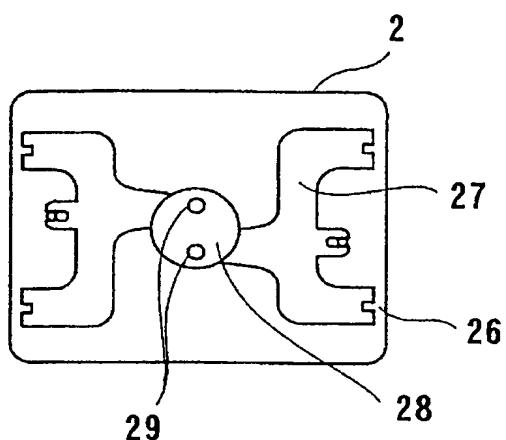


FIG. 29B

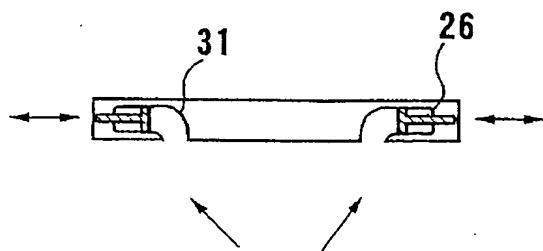


FIG. 29C

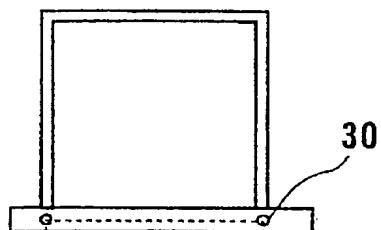


FIG. 29D

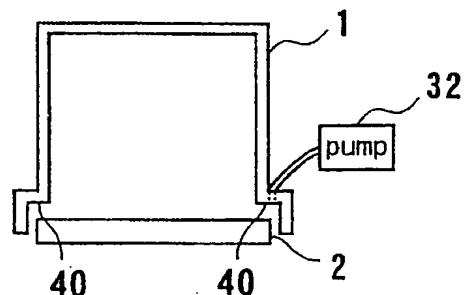


FIG. 29E

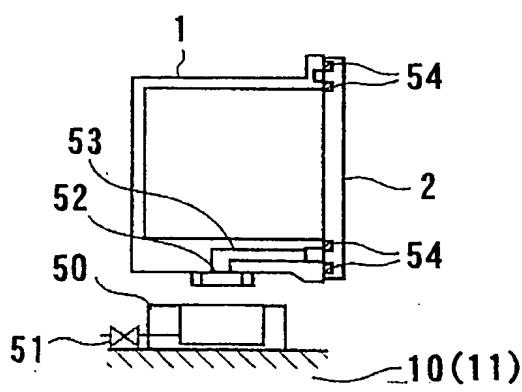
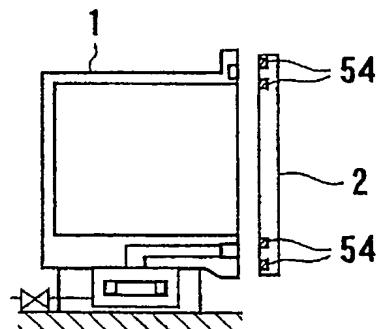
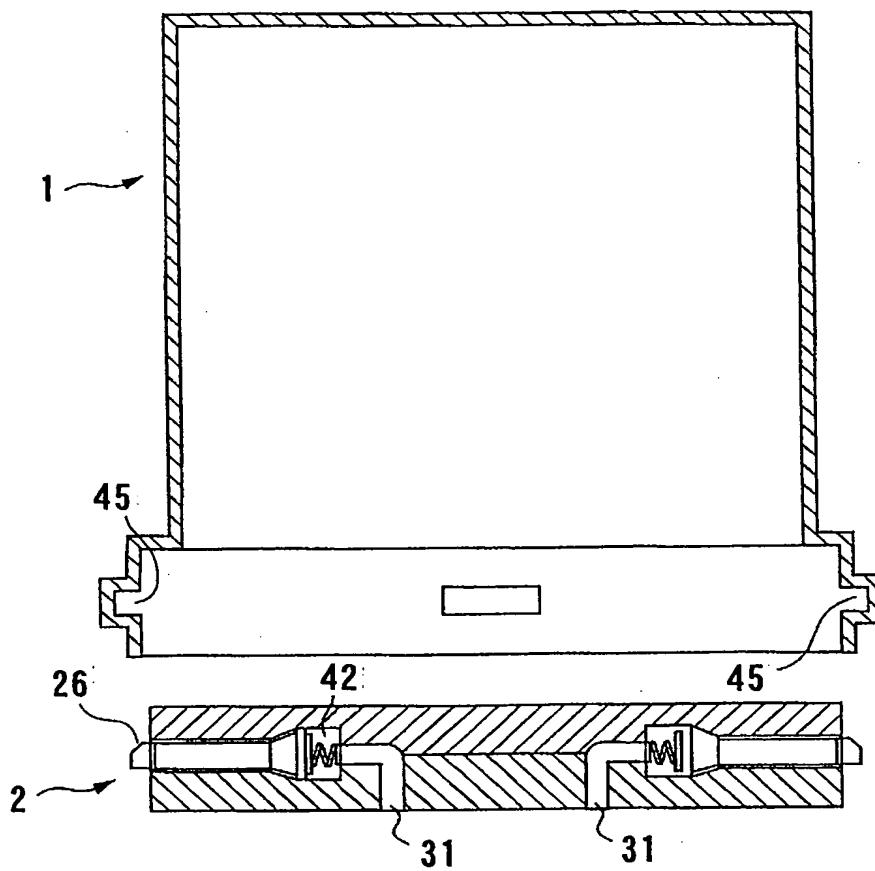


FIG. 29F



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F I G. 30



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FIG. 31A

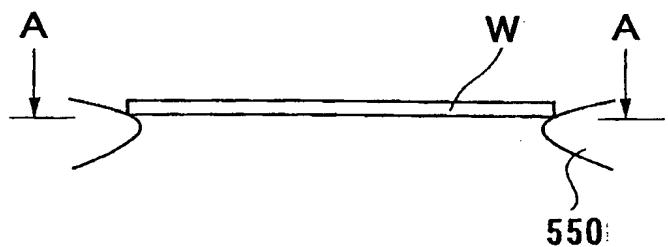
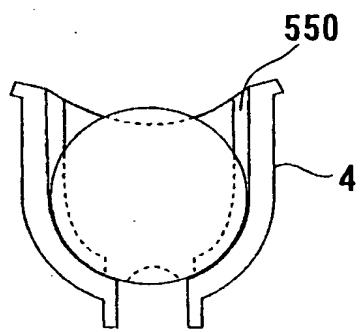
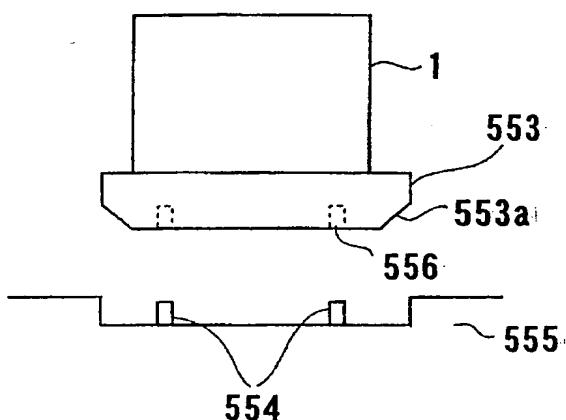


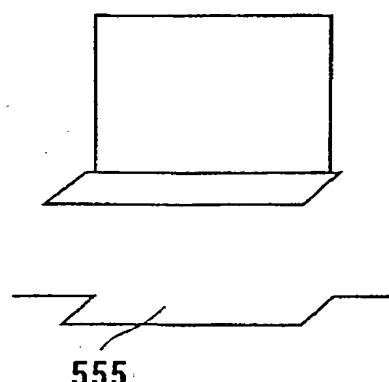
FIG. 31B



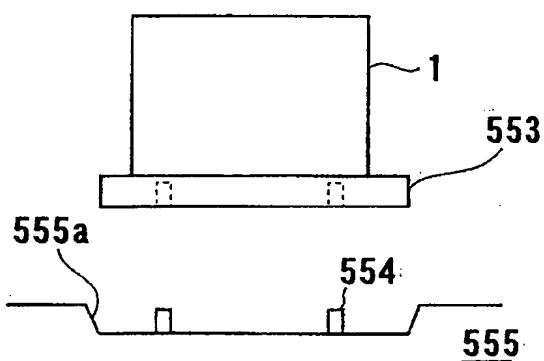
F I G. 32 A



F I G. 32 B

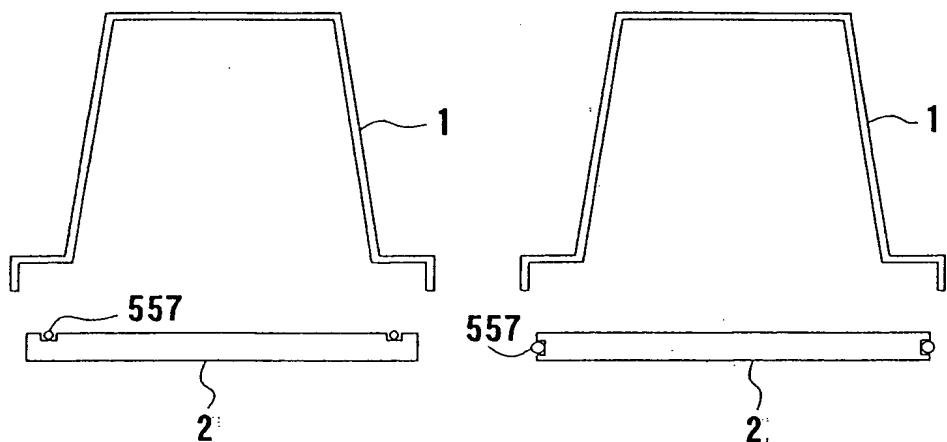


F I G. 32 C

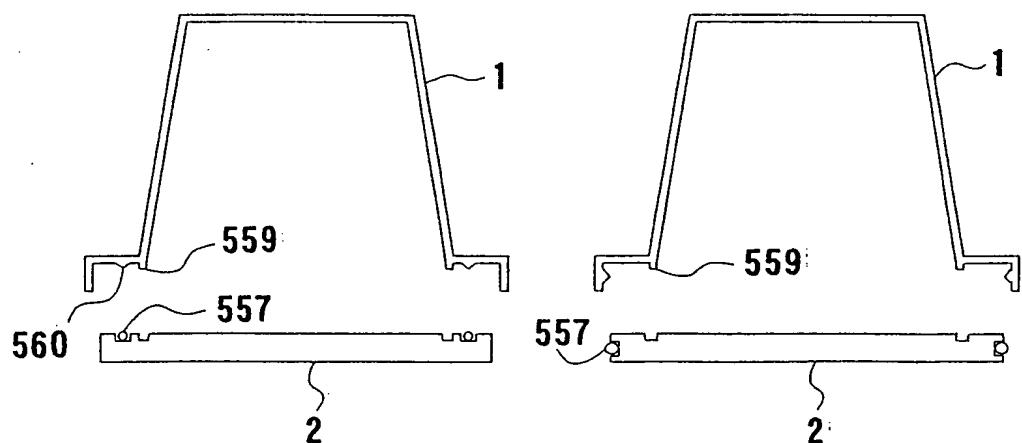


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F / G. 33A

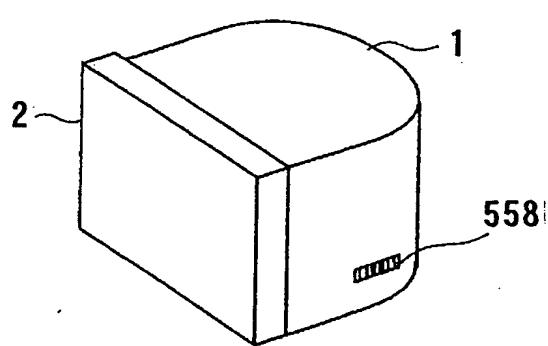


F / G. 33B



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F / G. 34 A



F / G. 34 B

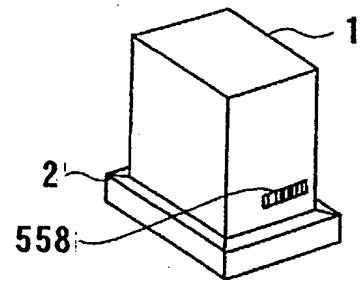


FIG. 35A

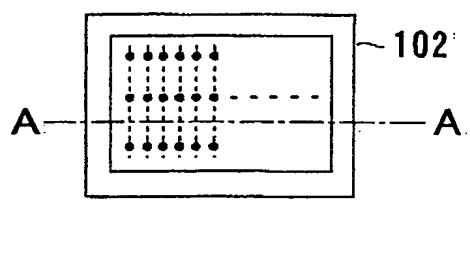


FIG. 35B

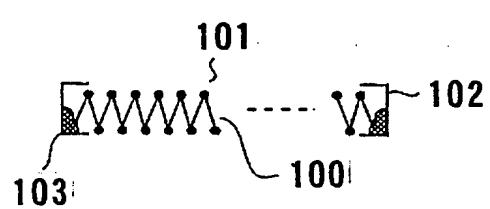
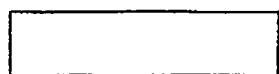
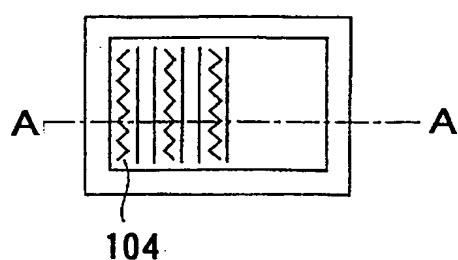


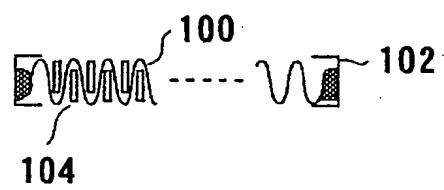
FIG. 35C



F I G. 36 A



F I G. 36 B



F I G. 36 C

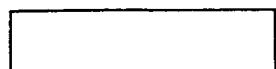
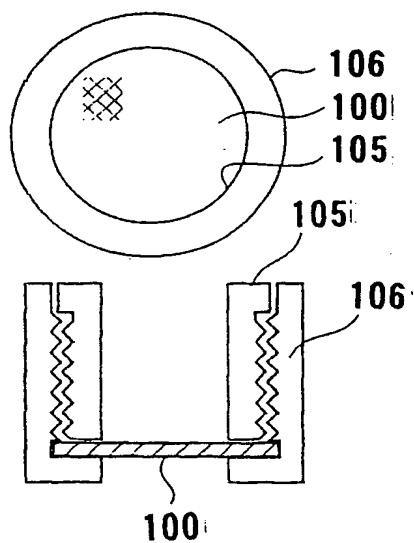


FIG. 37



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F I G. 38.

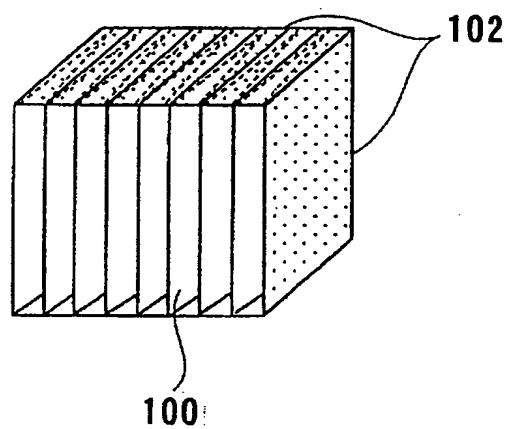
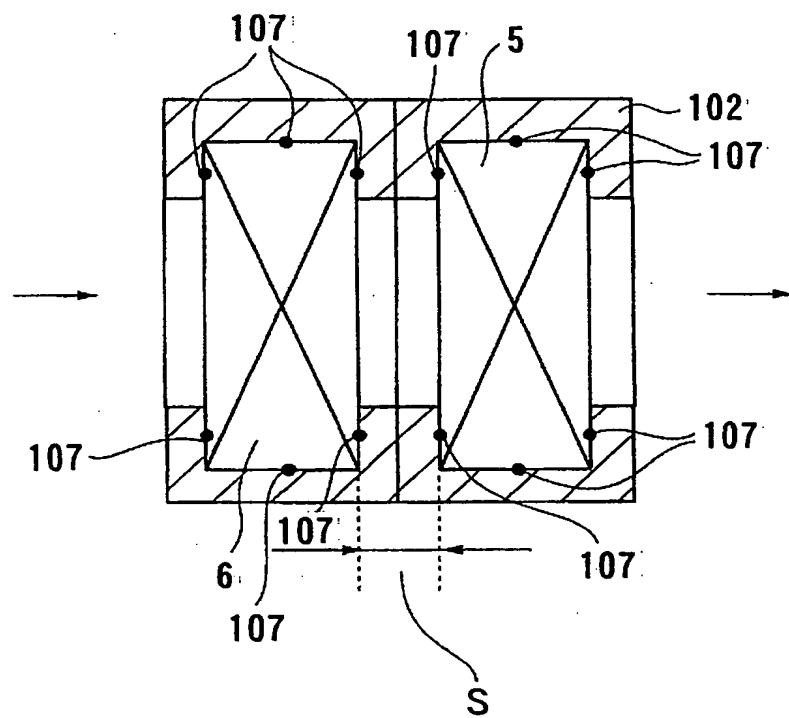


FIG. 39



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FIG. 40A

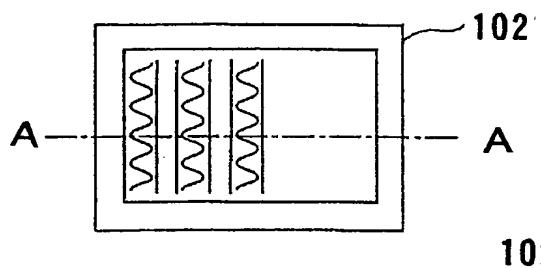


FIG. 40B

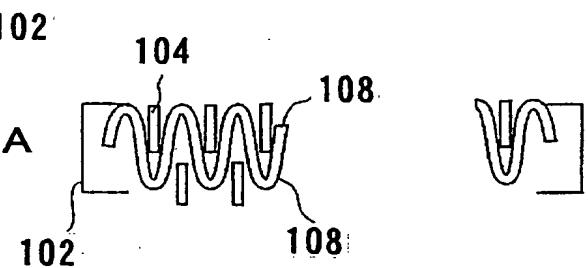
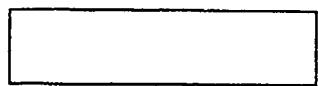


FIG. 40C



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FIG. 41

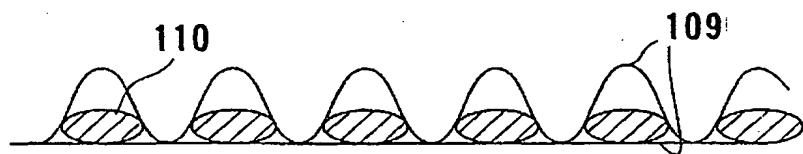


FIG. 42A

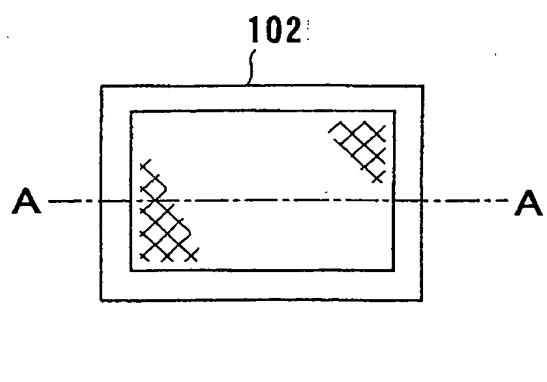


FIG. 42B

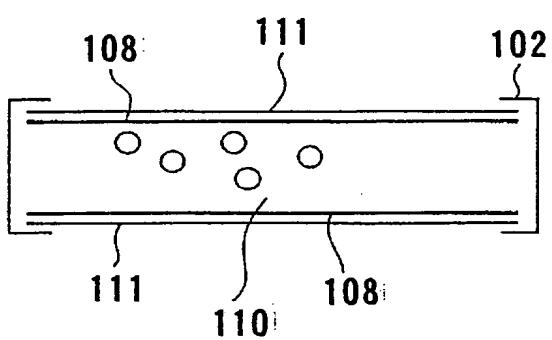
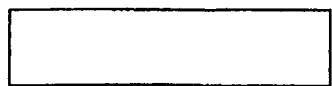


FIG. 42C



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FIG. 43A

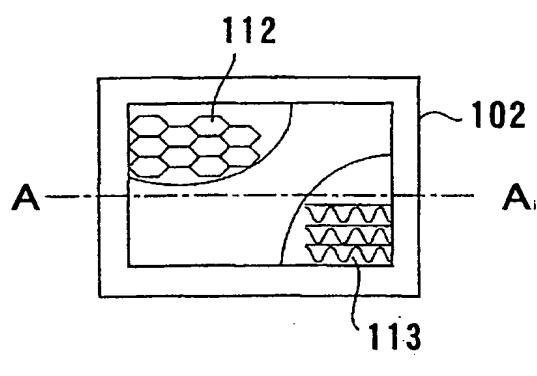


FIG. 43B

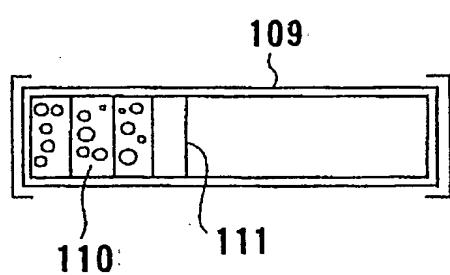


FIG. 43C



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FIG. 44A

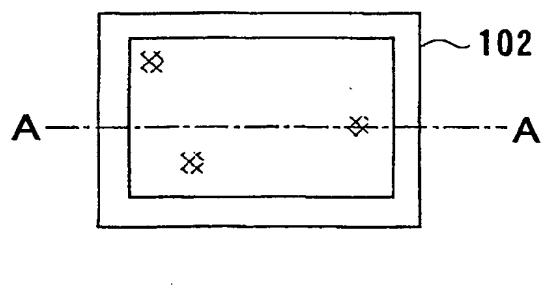


FIG. 44B

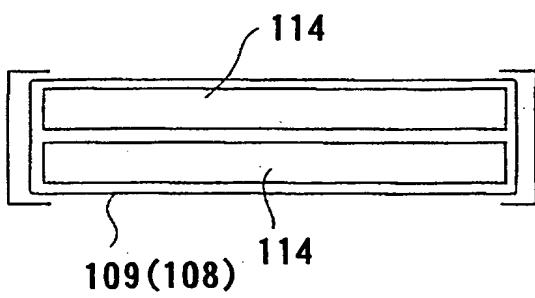
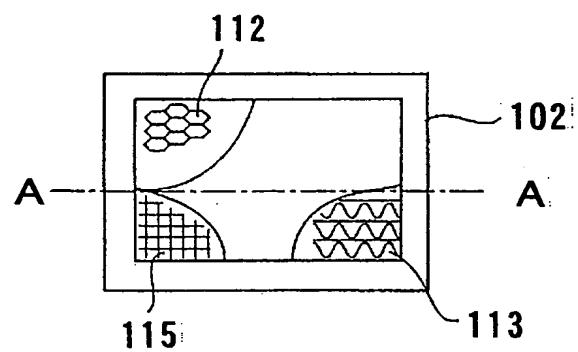


FIG. 44C



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F / G. 45 A



F / G. 45 B

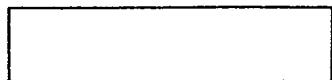


FIG. 46A

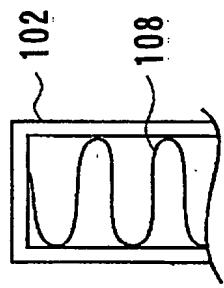


FIG. 46B

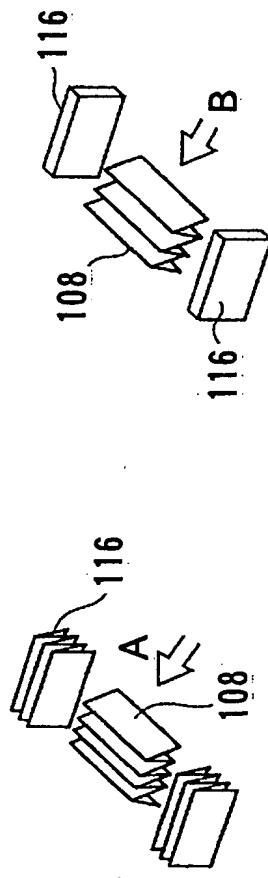


FIG. 46C

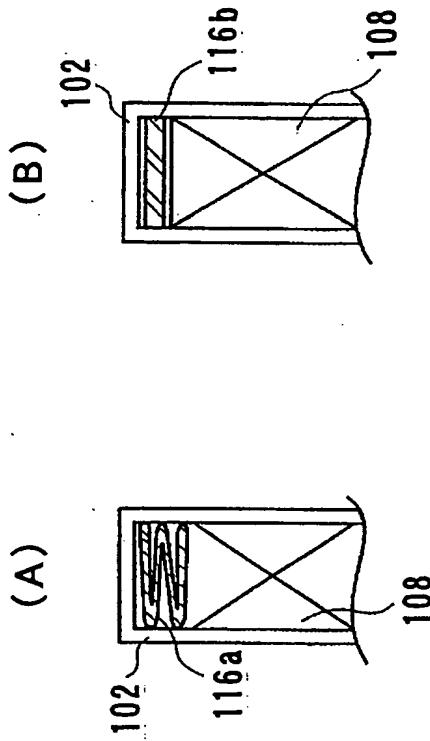
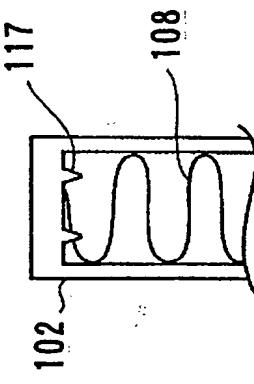
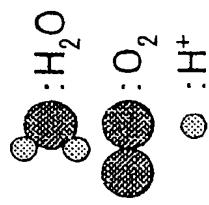
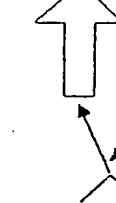
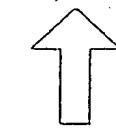
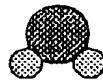
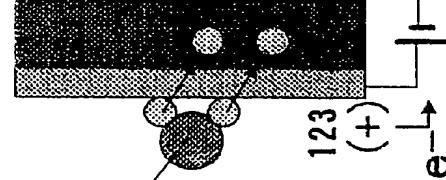


FIG. 47

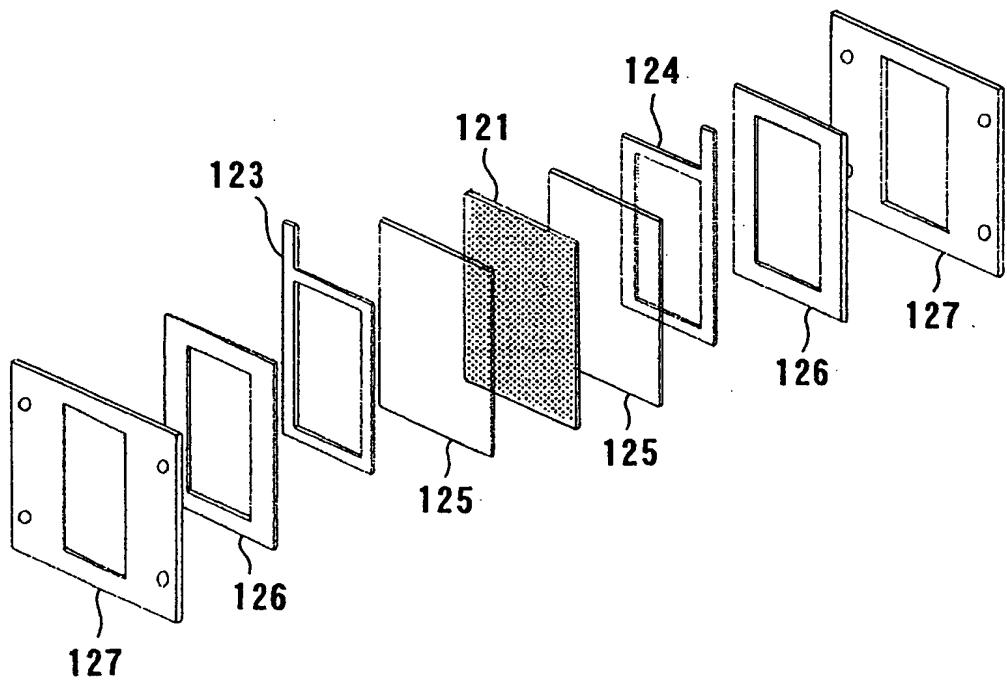
120122

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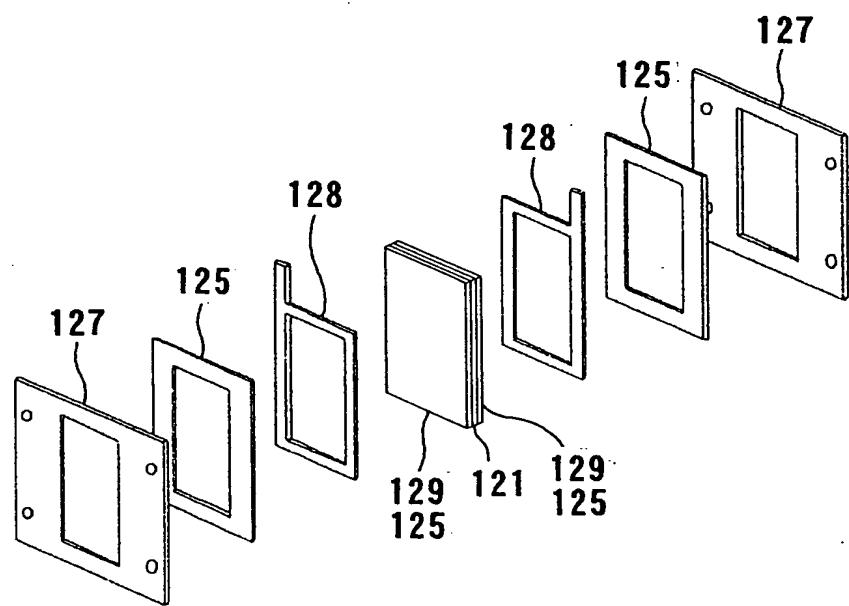
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FIG. 48



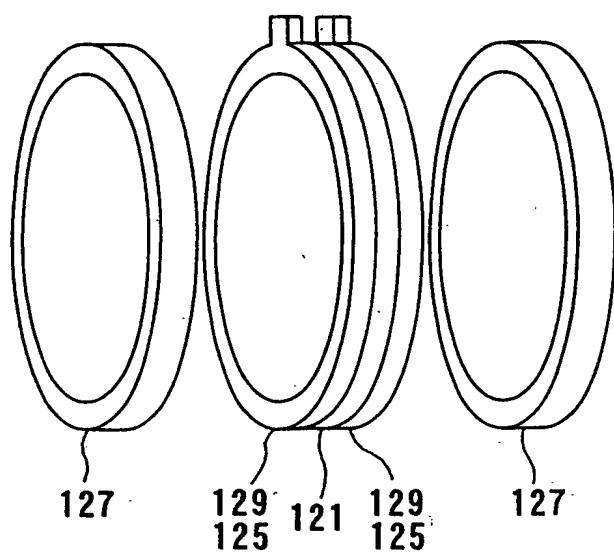
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FIG. 49

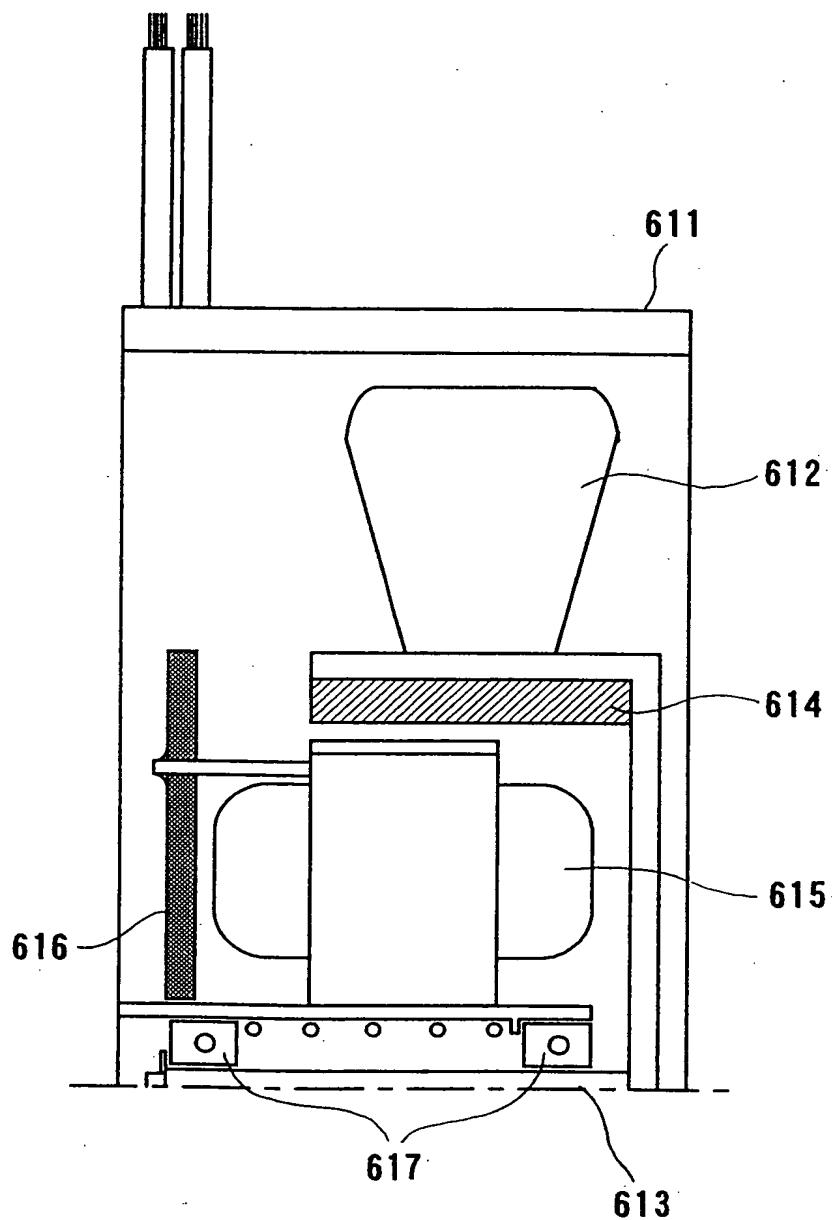


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F I G. 50

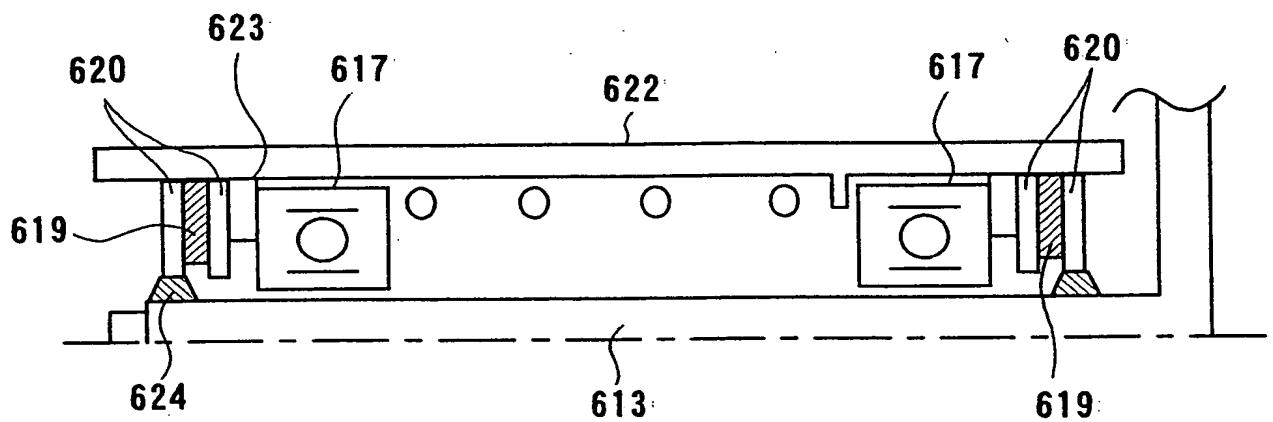


F I G. 51



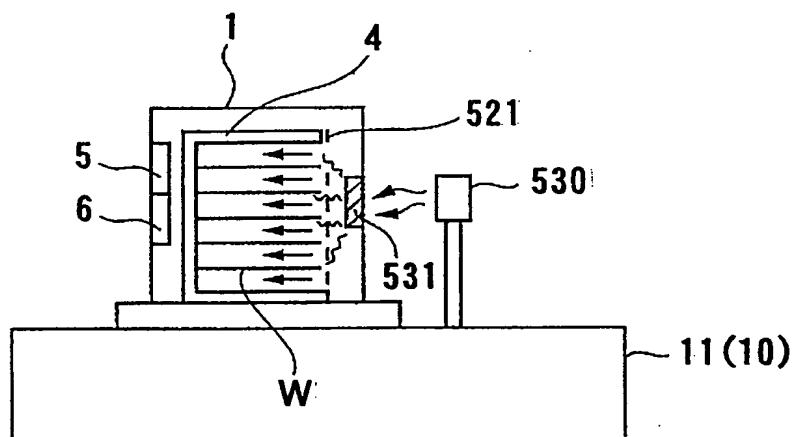
52/101

F I G. 52



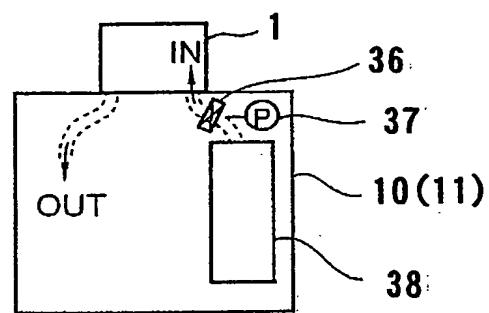
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FIG. 53



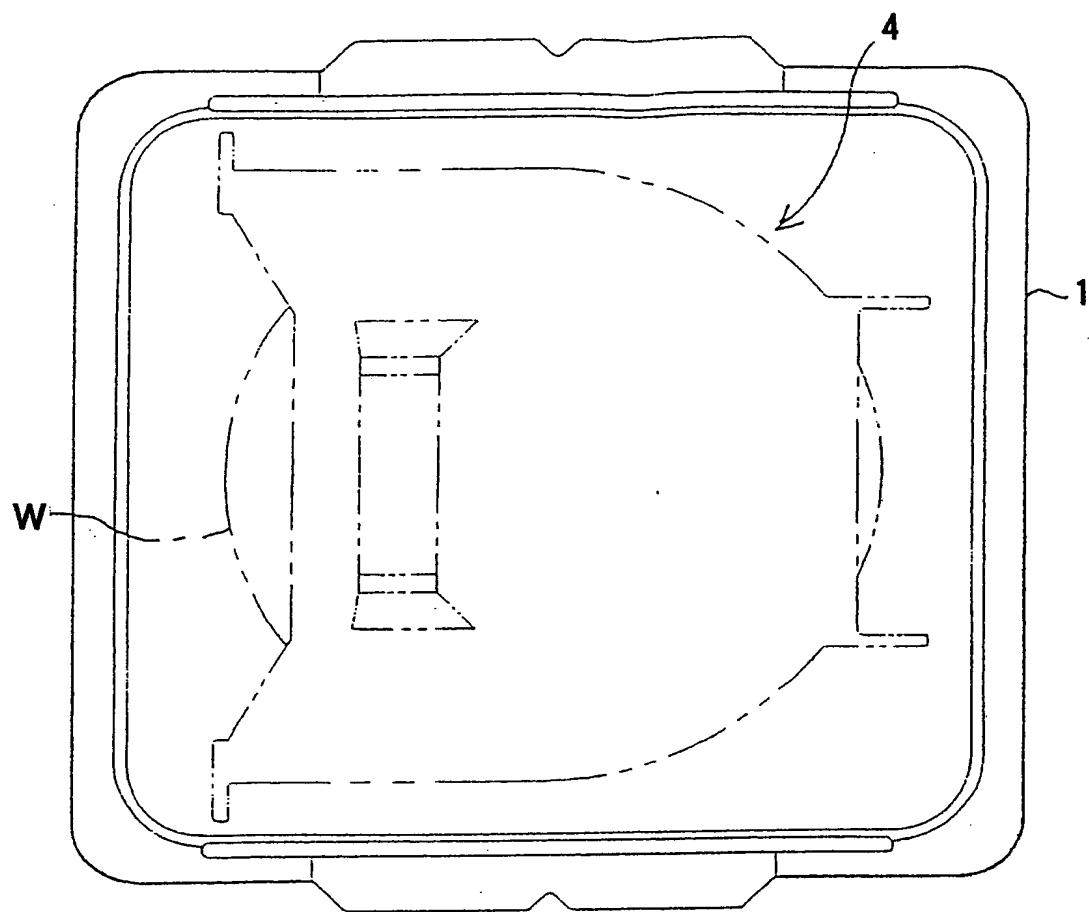
54/101

FIG. 54



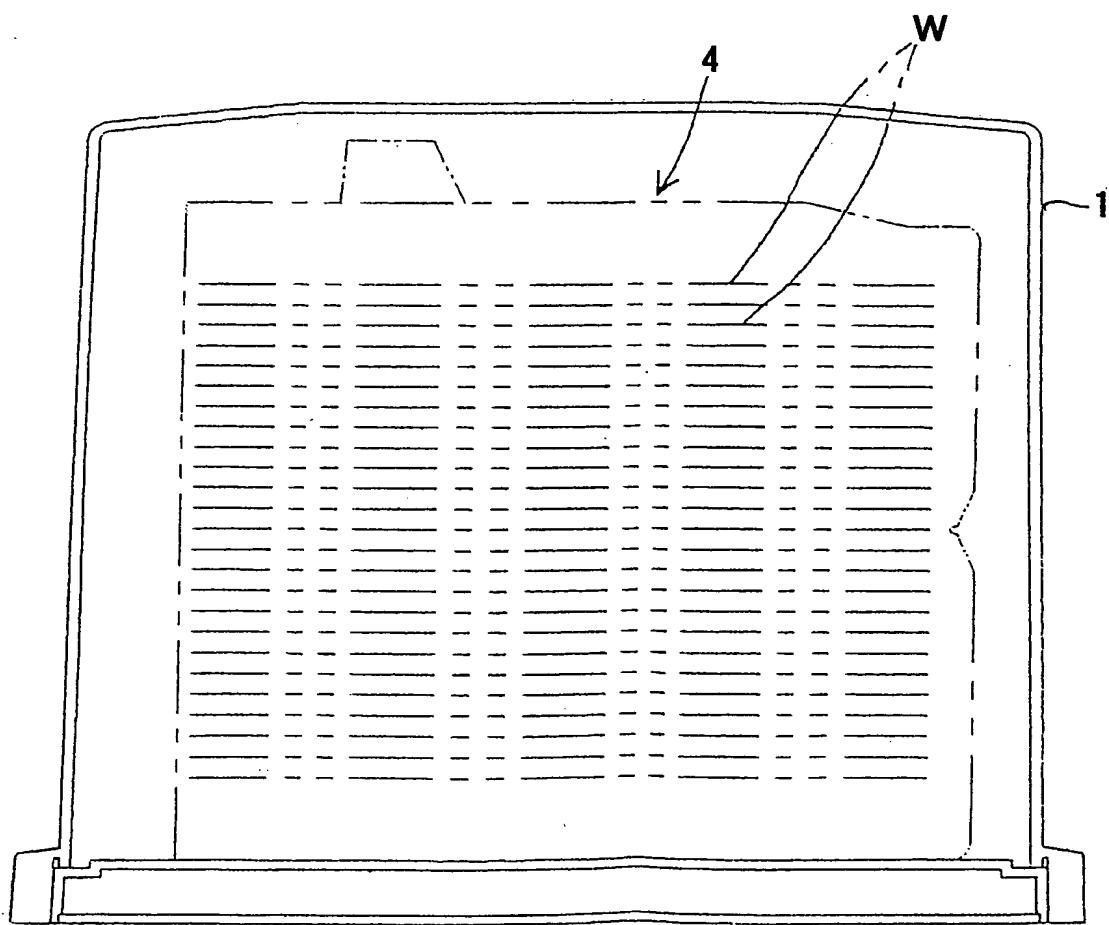
55/101

F I G. 55



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FIG. 56



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FIG. 57A

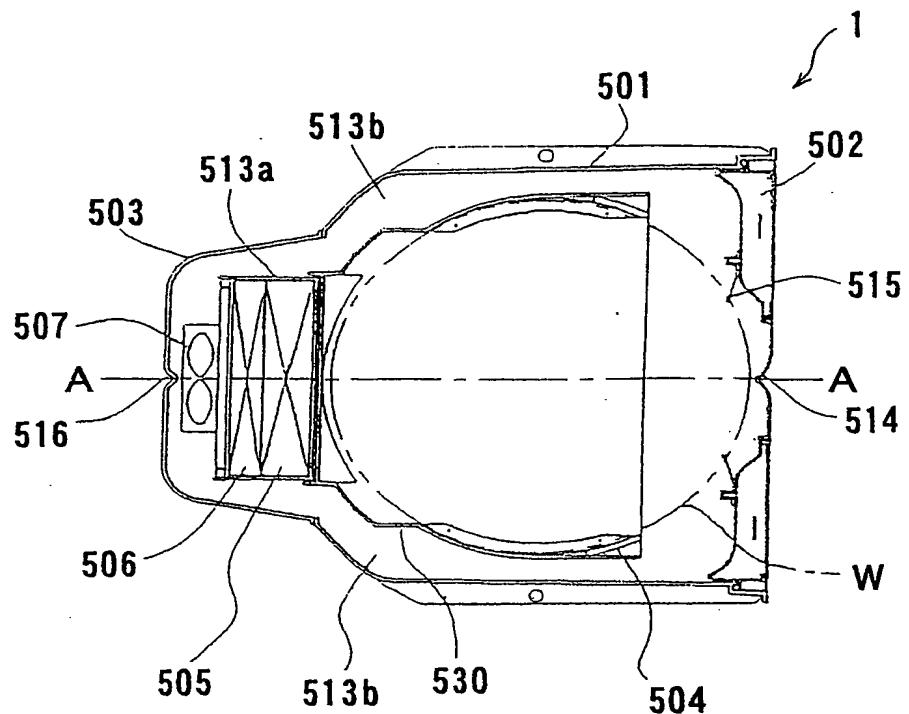


FIG. 57B

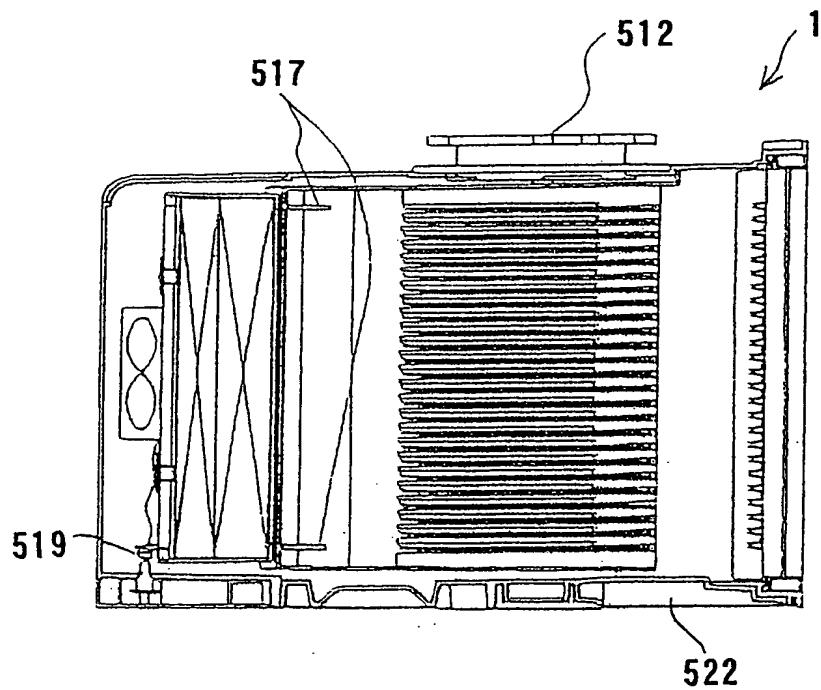


FIG. 58A

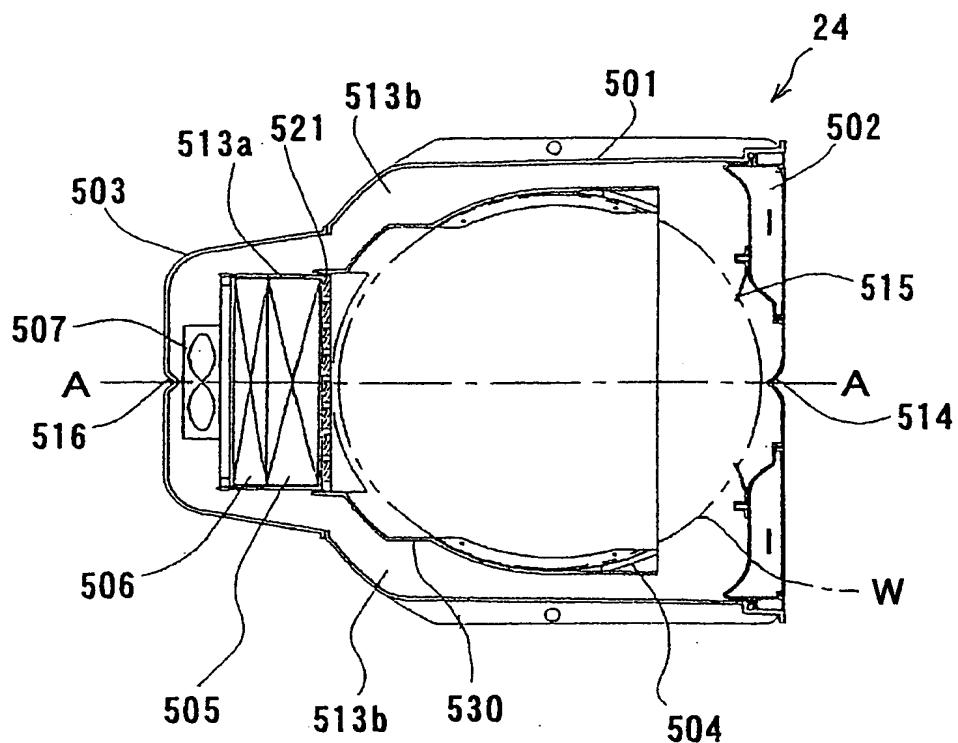
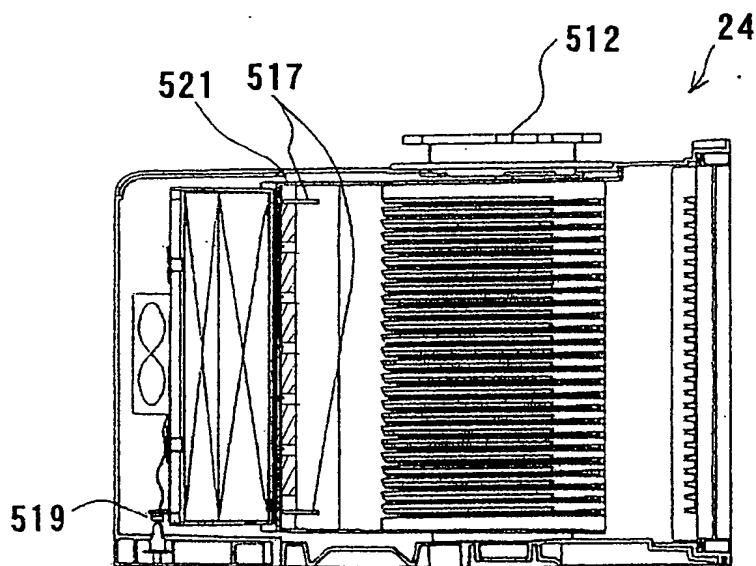
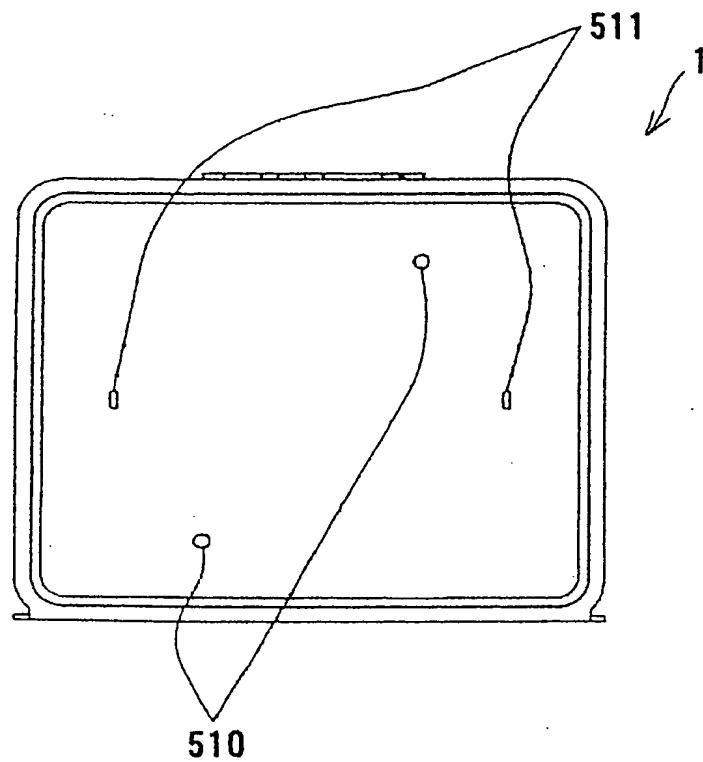


FIG. 58B

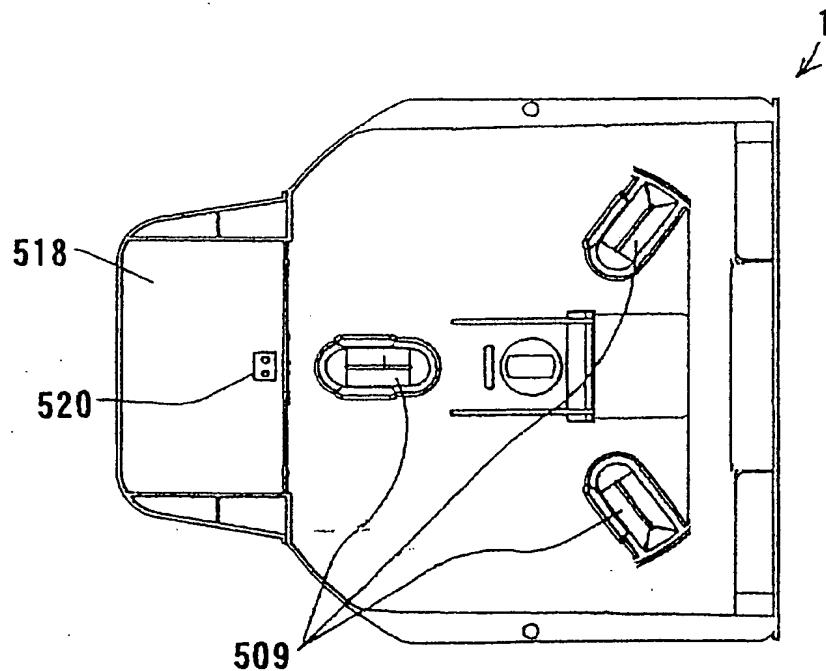


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F / G. 59 A



F / G. 59 B



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FIG. 60A

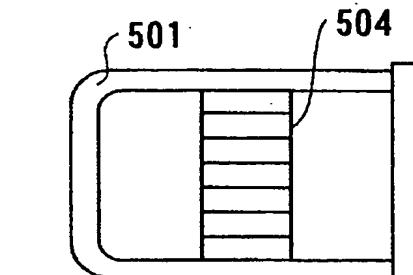


FIG. 60B

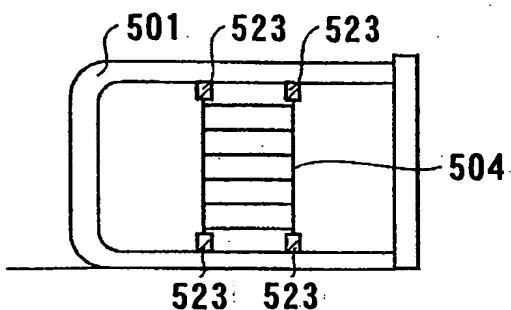


FIG. 60C

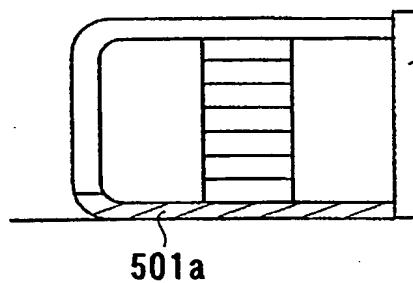


FIG. 60D

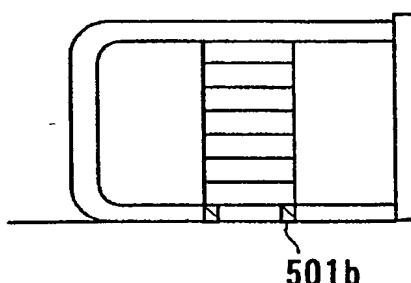


FIG. 60E

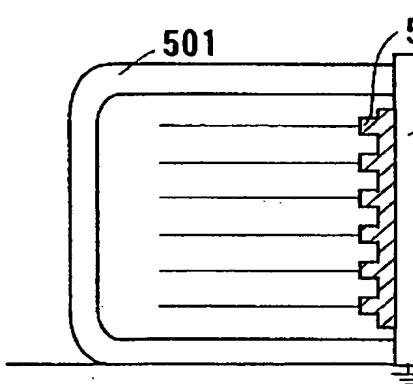


FIG. 60F

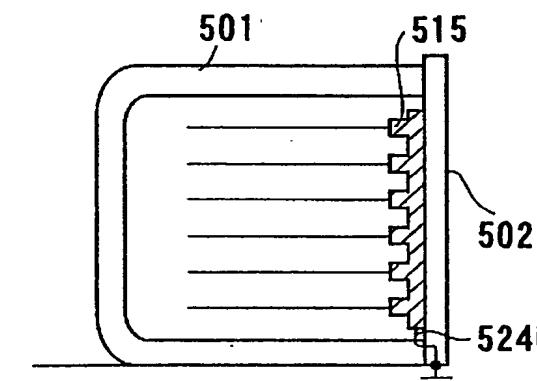


FIG. 60G

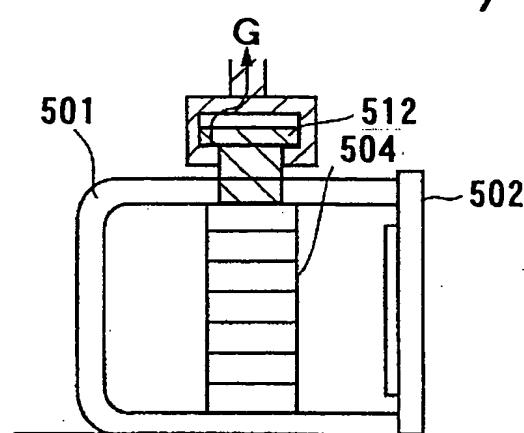
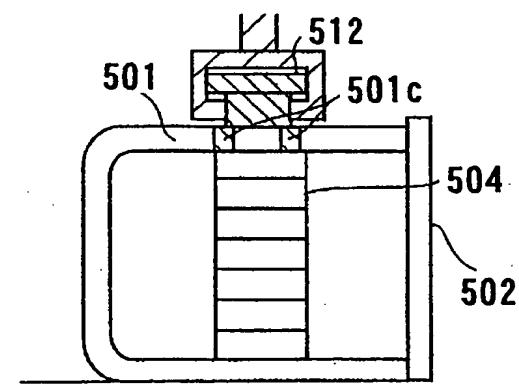
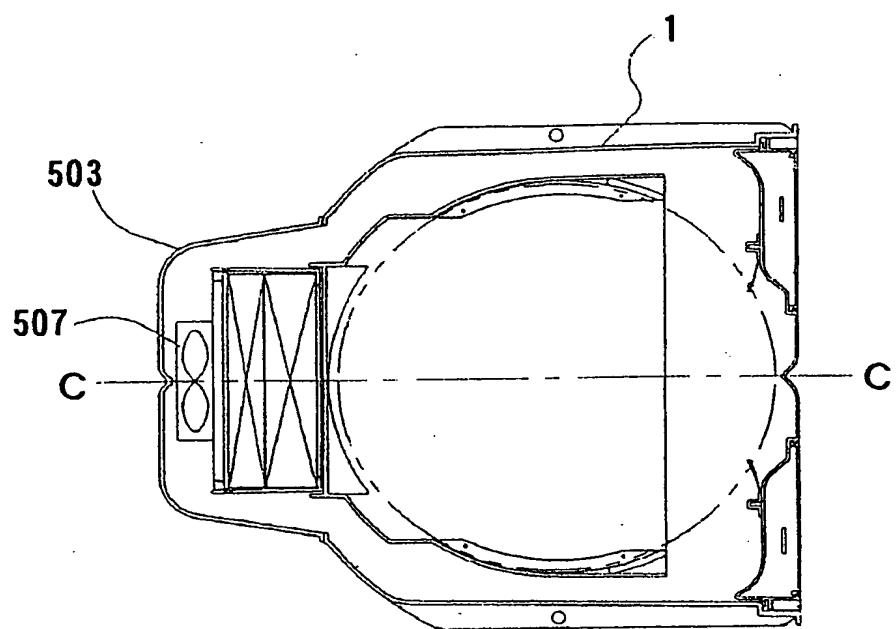


FIG. 60H



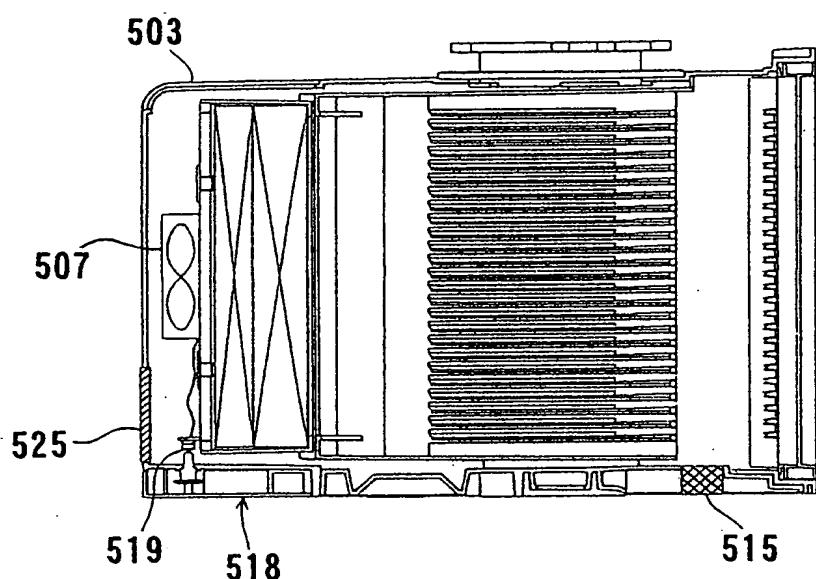
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FIG. 61



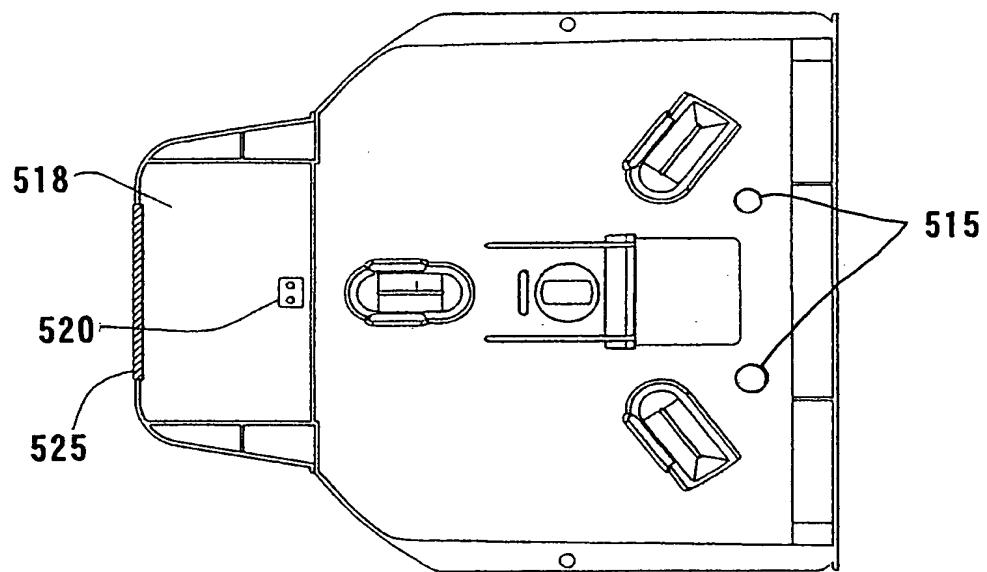
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F I G. 62



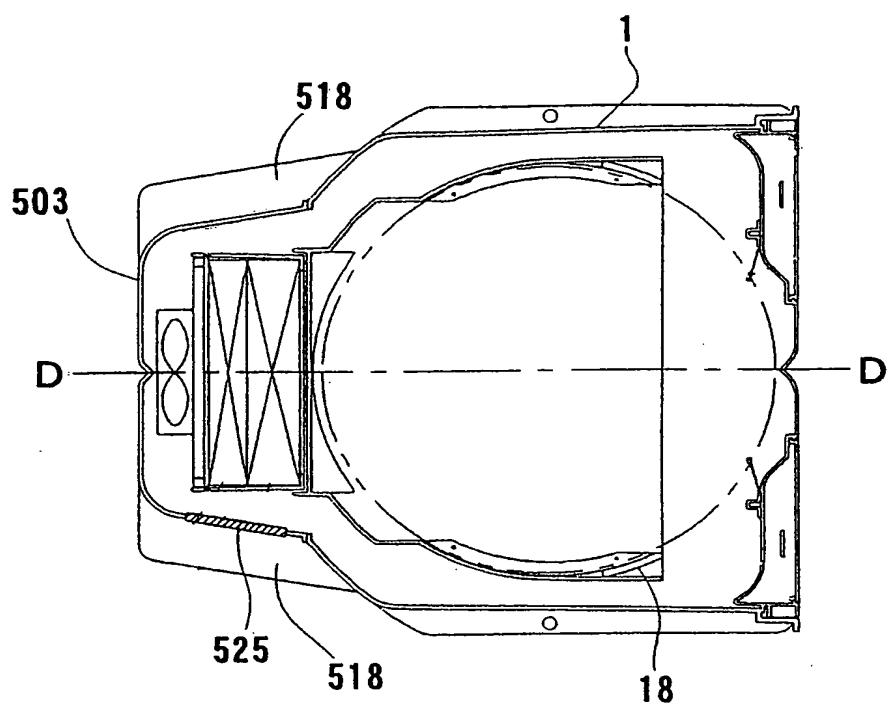
63/101

F I G. 63



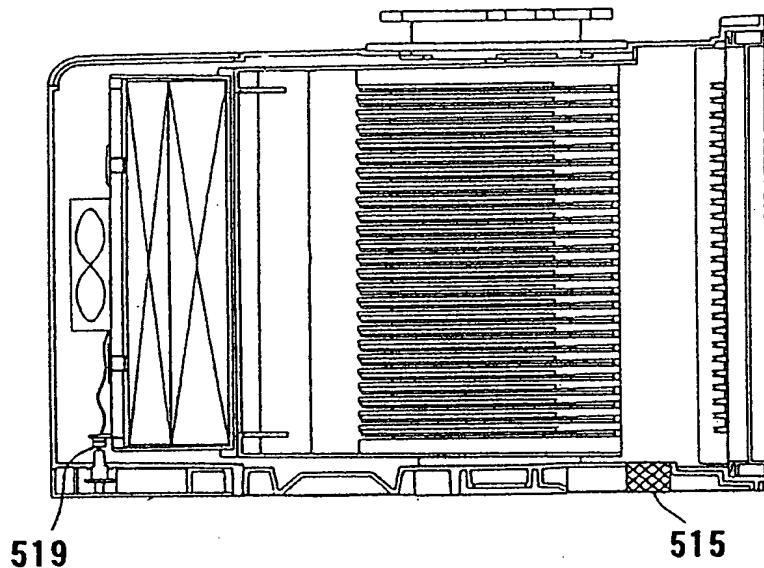
64/101

F I G. 64



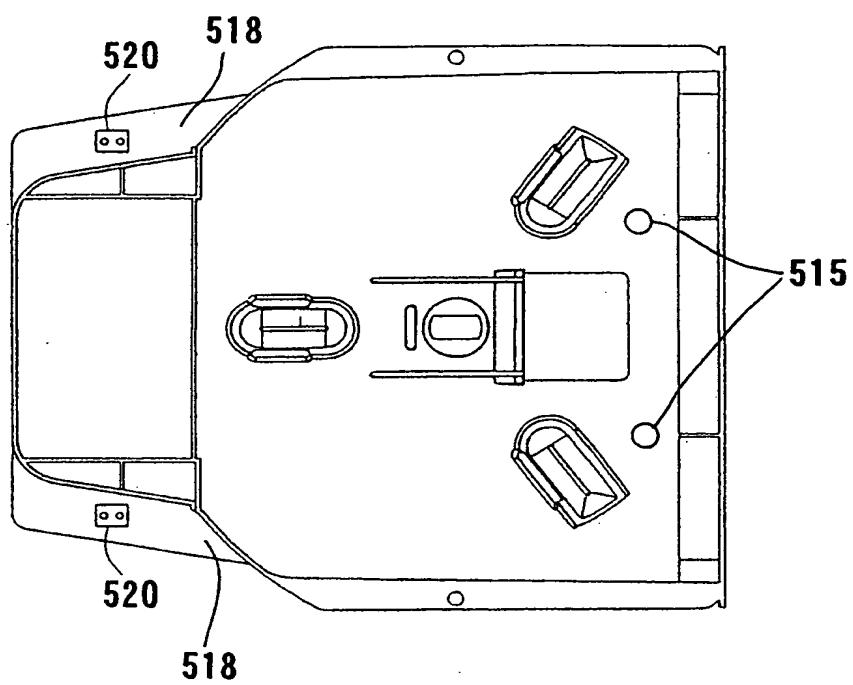
65/101

F / G. 65



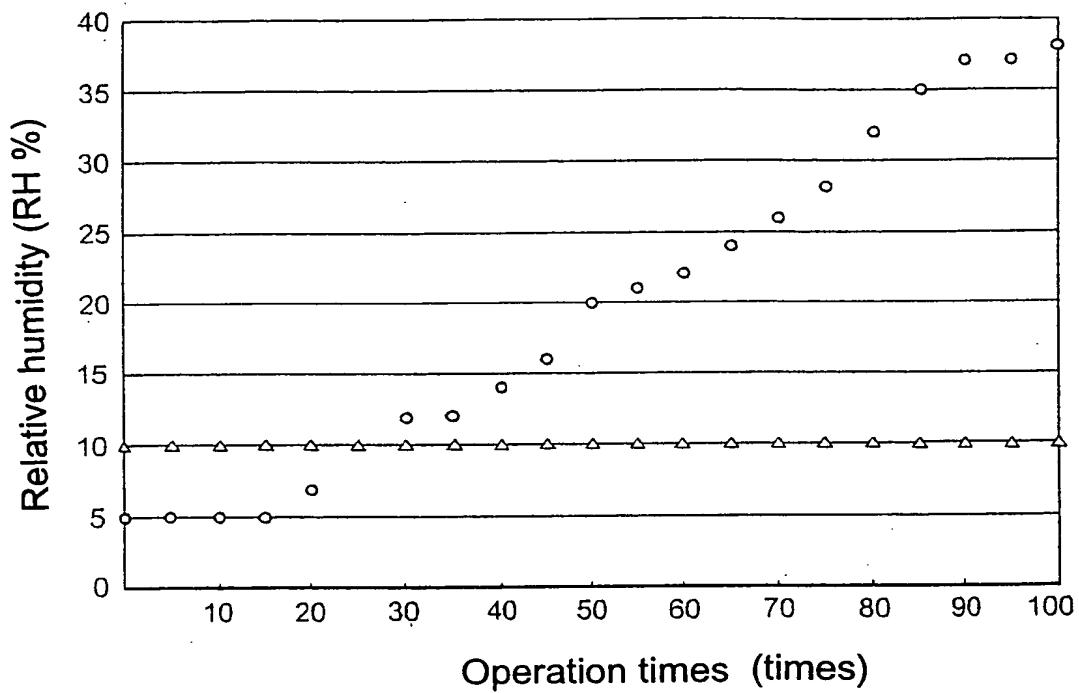
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F I G. 66



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FIG. 67



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FIG. 68

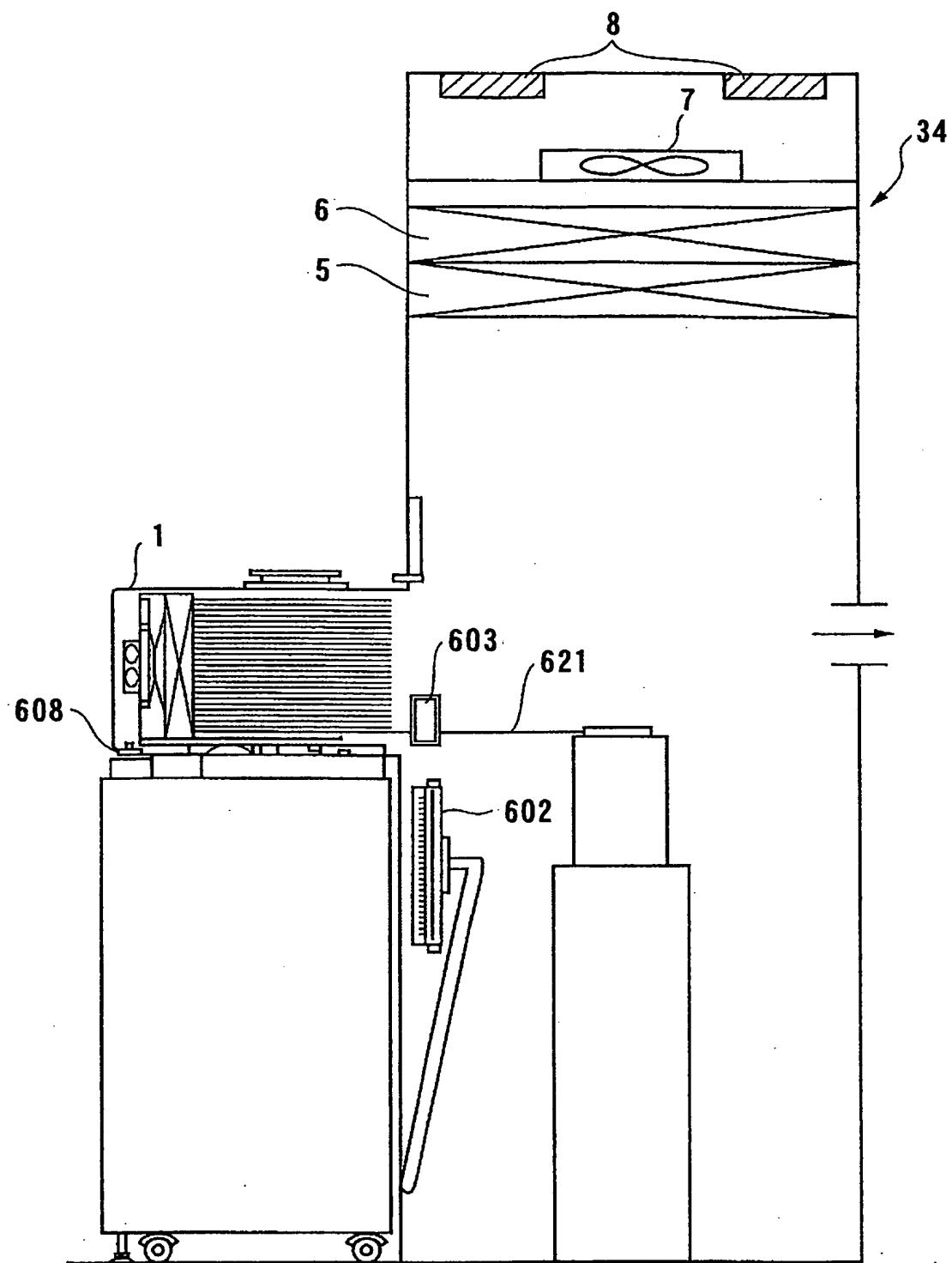
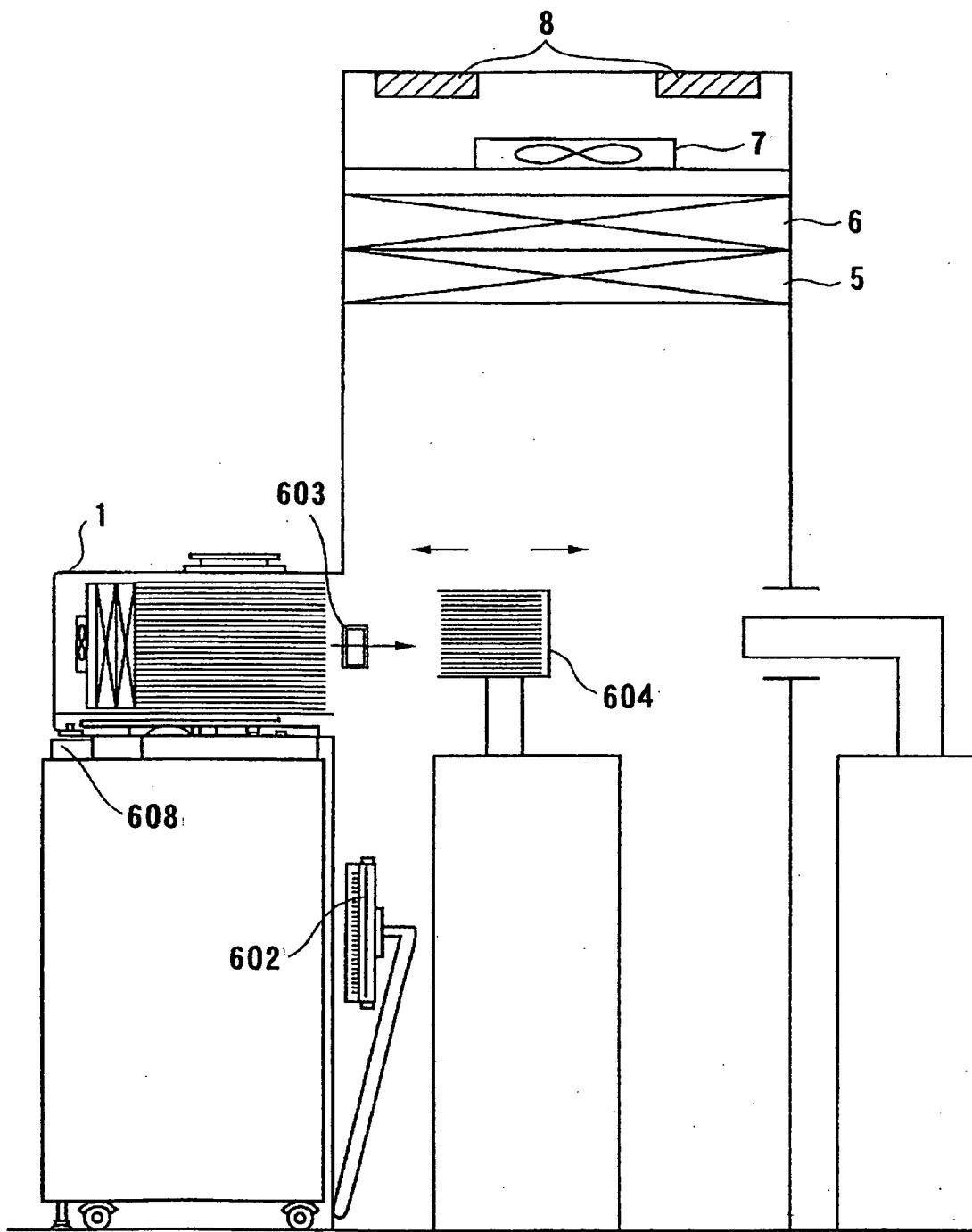
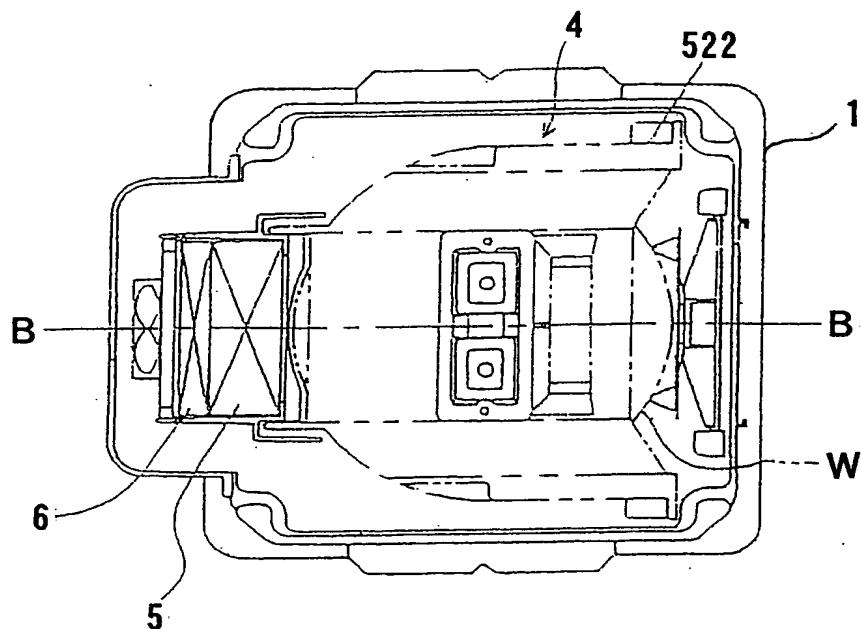


FIG. 69

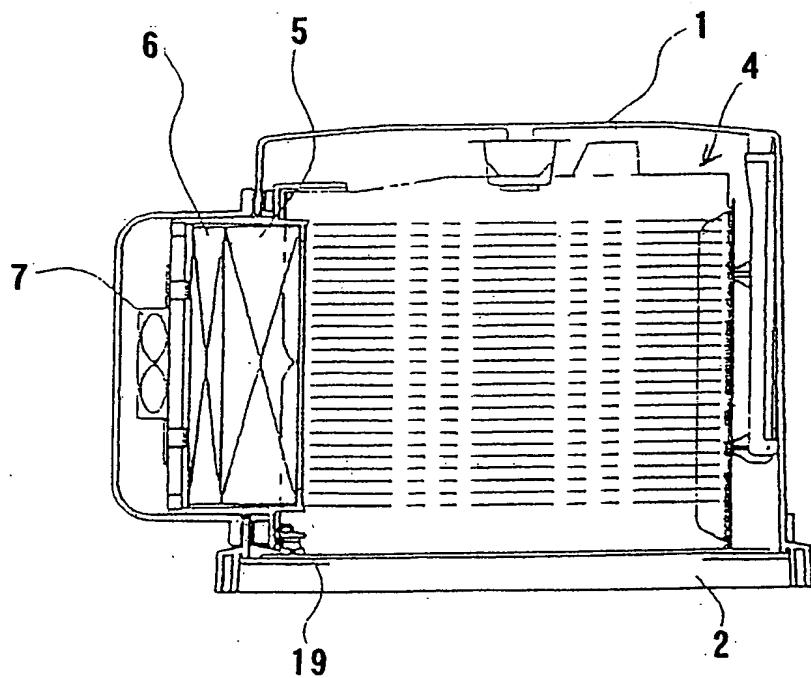


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F I G. 70A

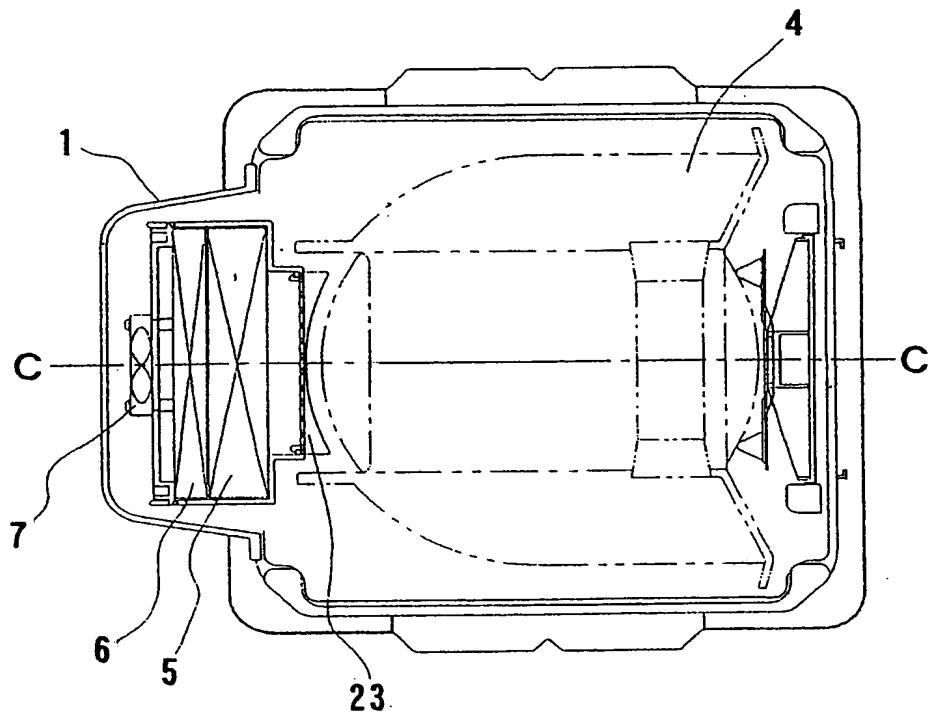


F I G. 70B

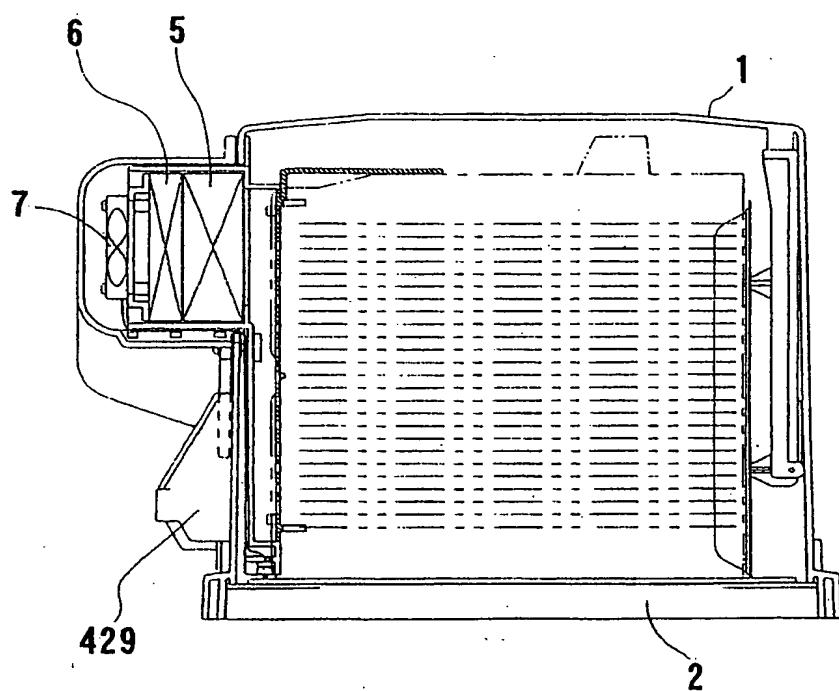


71/101

F I G. 71A

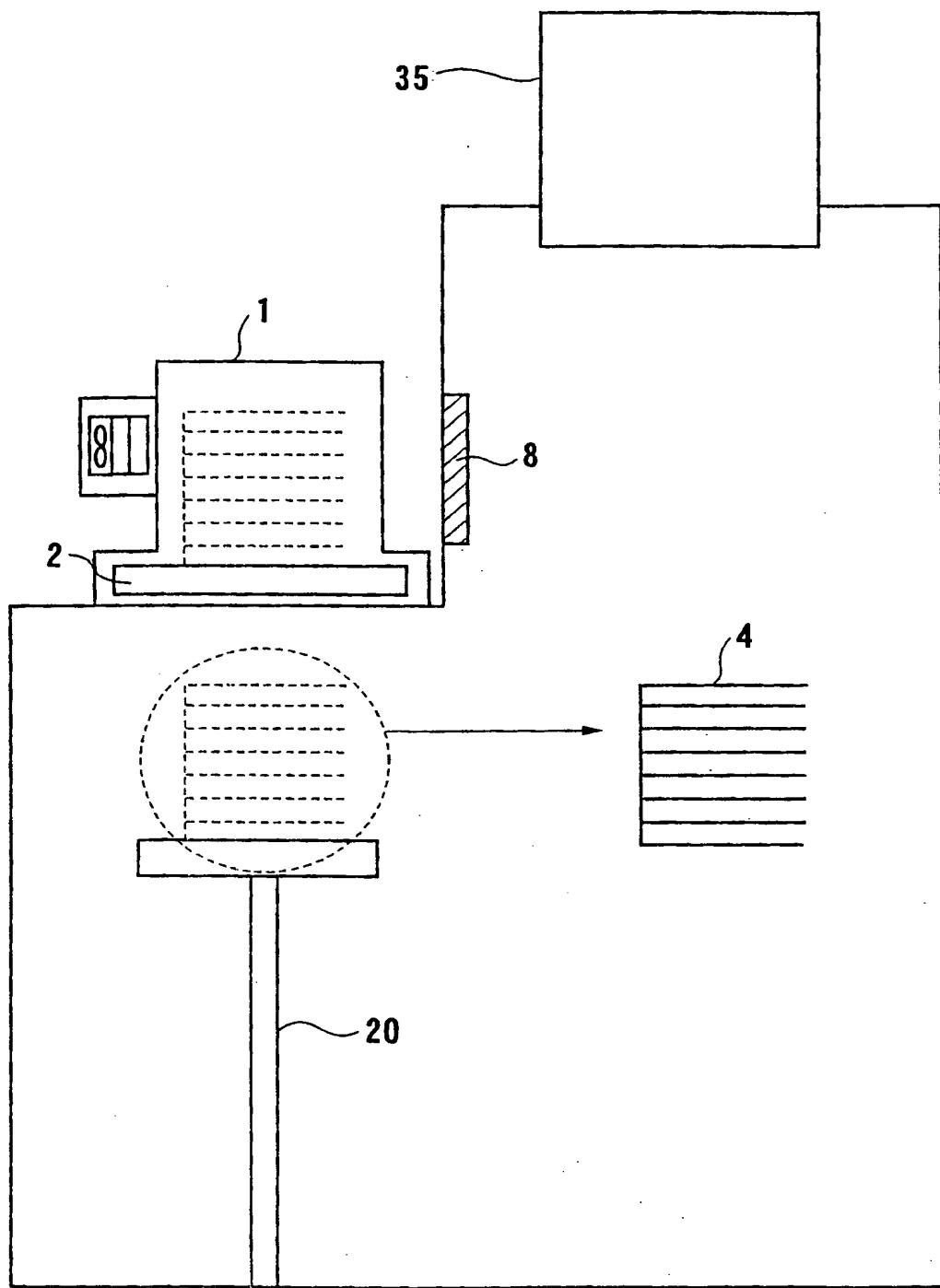


F I G. 71B



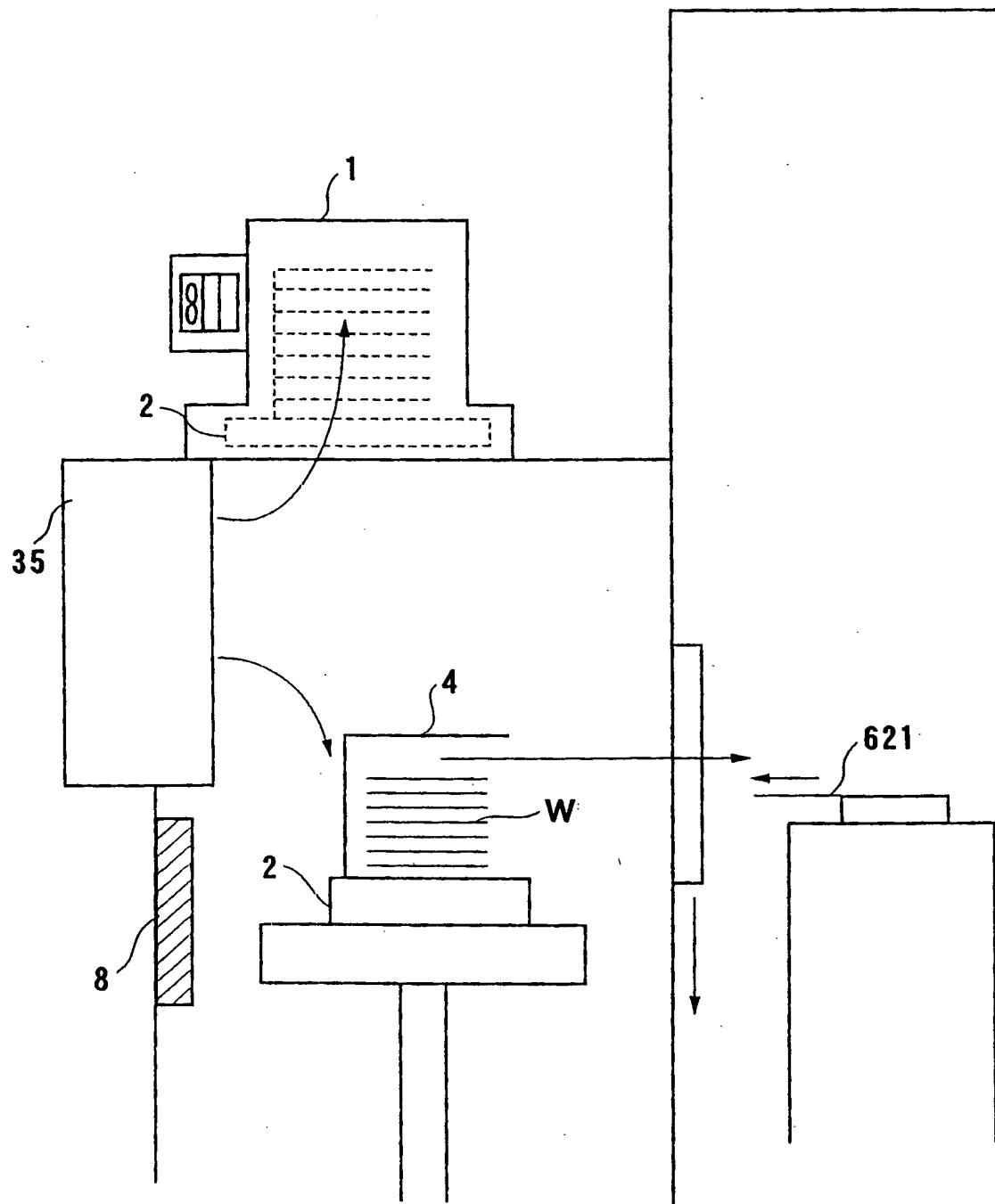
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FIG. 72



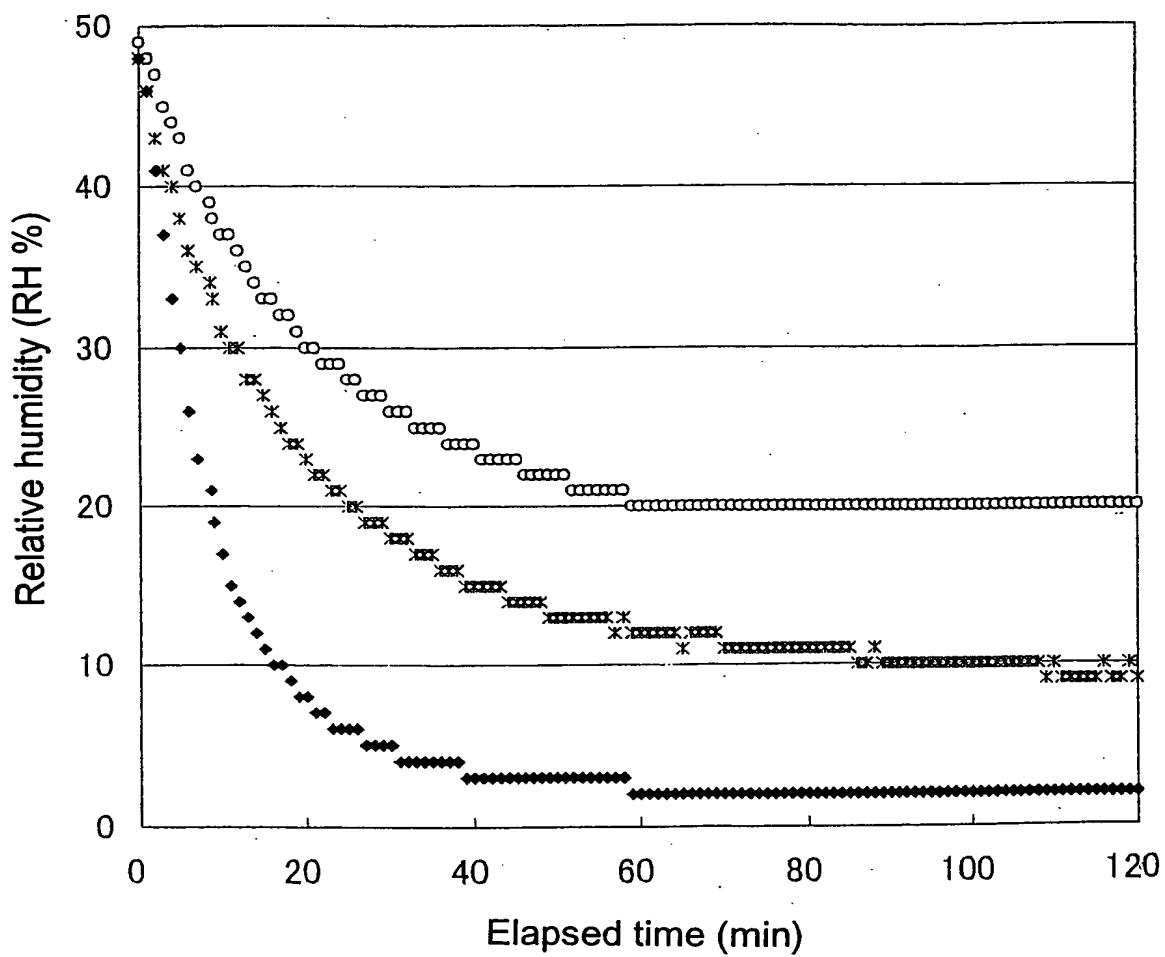
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FIG. 73



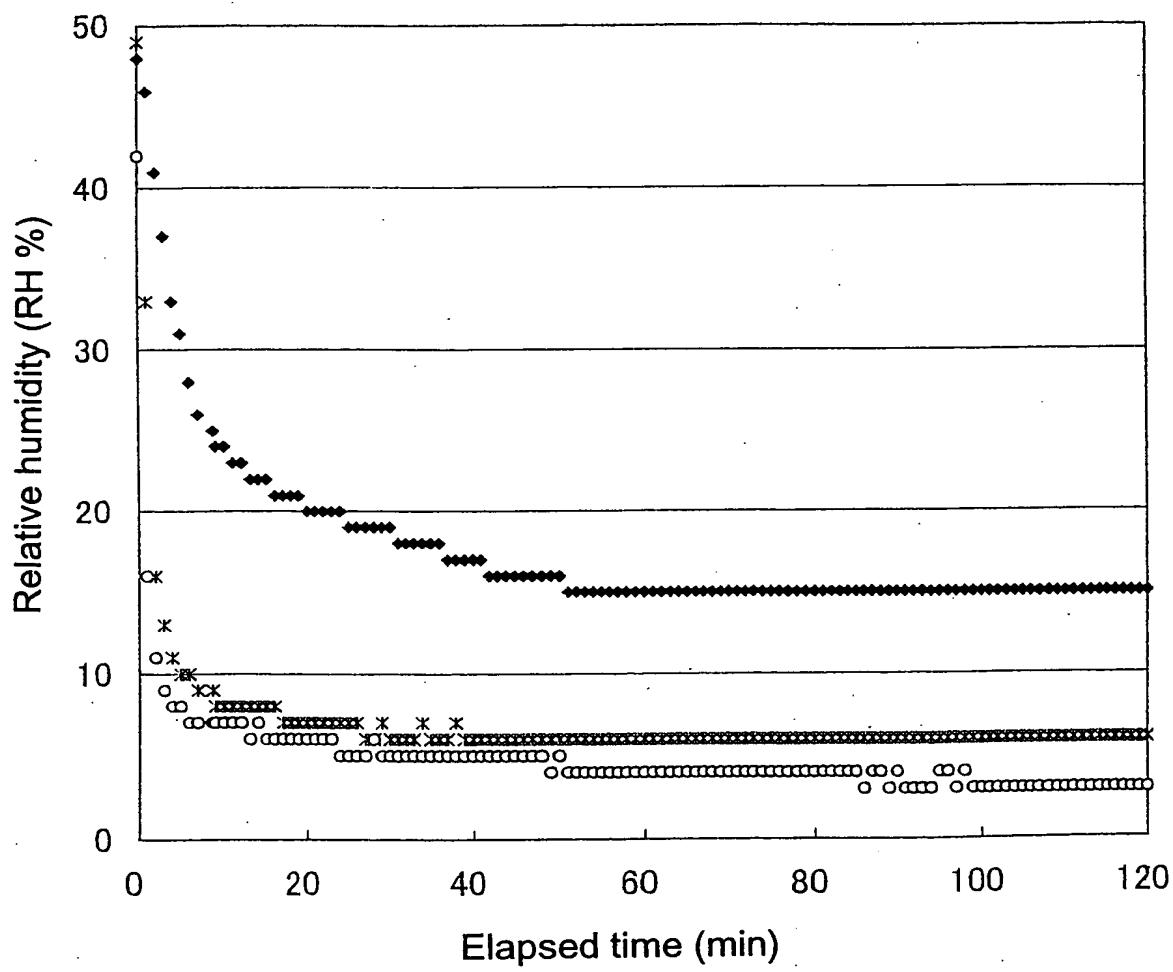
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FIG. 74



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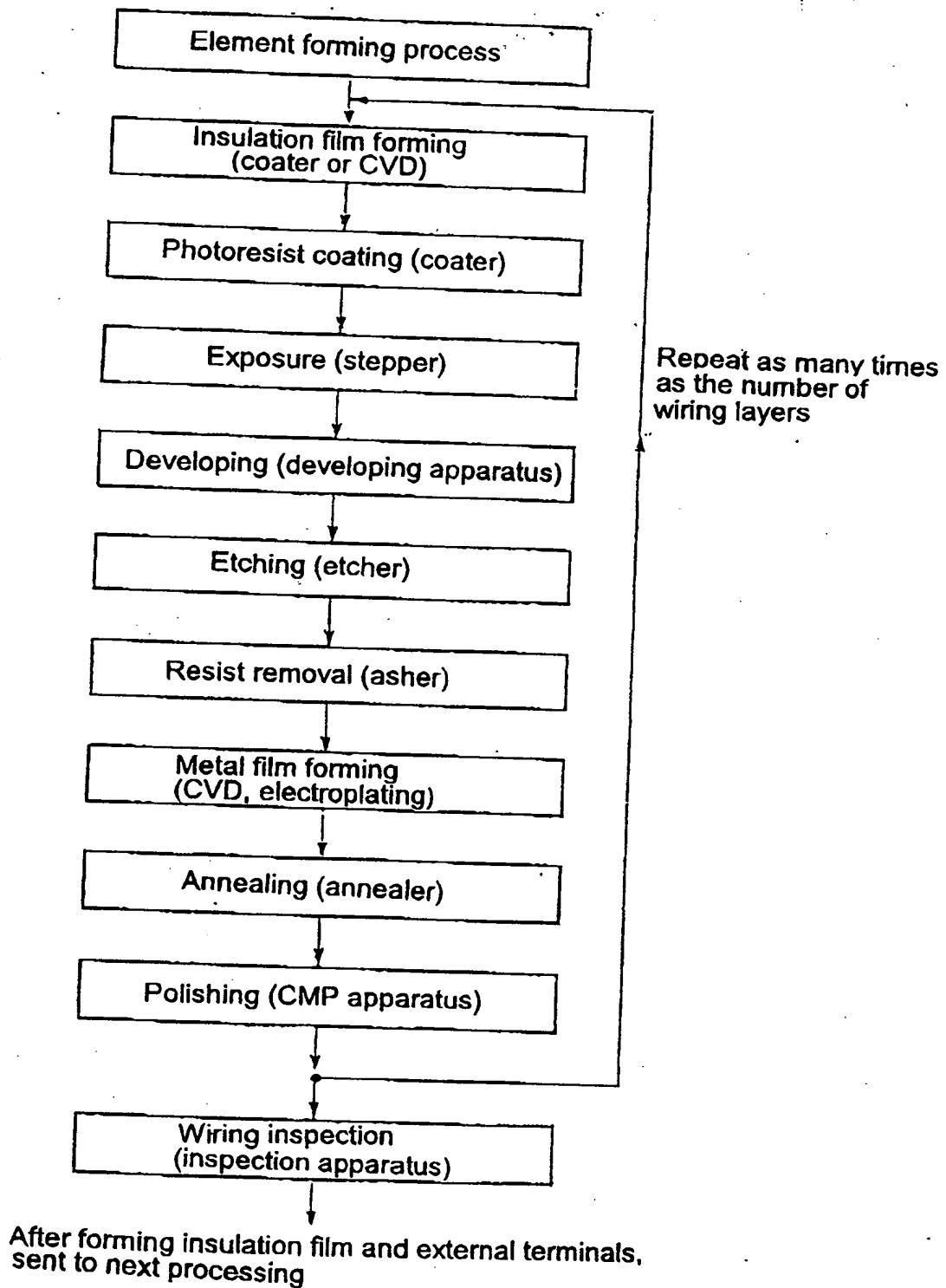
FIG. 75



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F I G. 76.

SEMICONDUCTOR MANUFACTURING
PROCESS FLOWCHART



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FIG. 77A

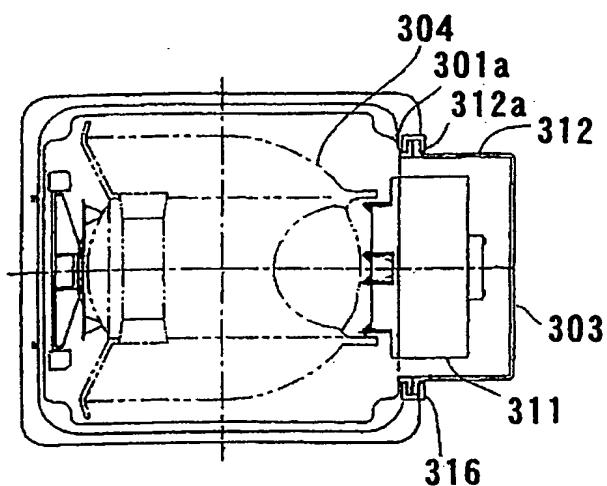


FIG. 77B

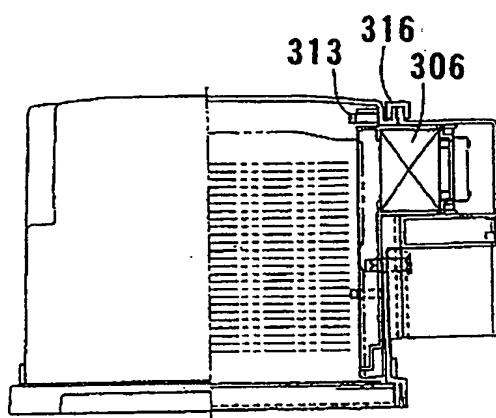


FIG. 77C

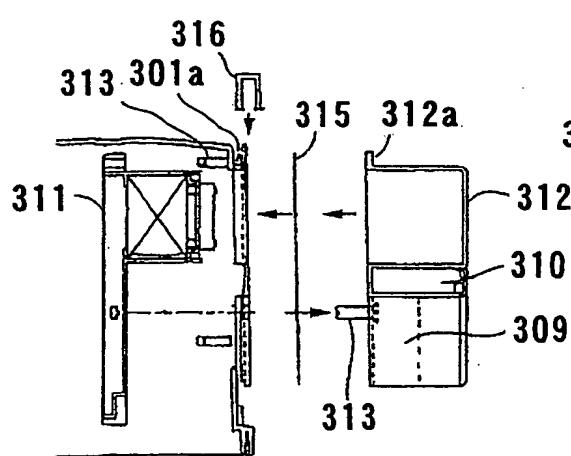


FIG. 77D

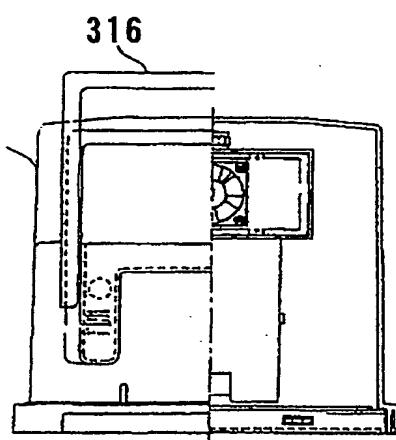


FIG. 78A

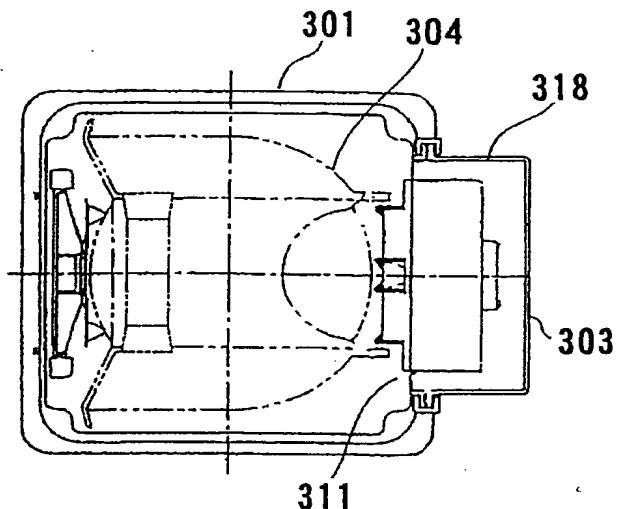


FIG. 78B

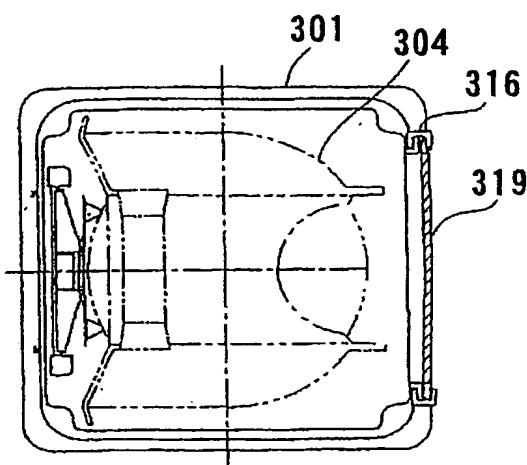


FIG. 78C

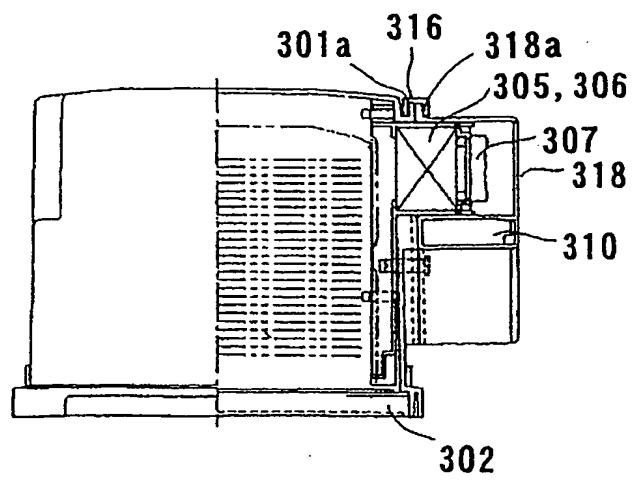
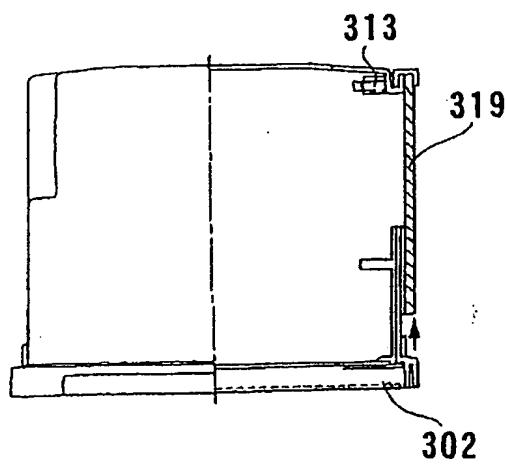


FIG. 78D



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FIG. 79A

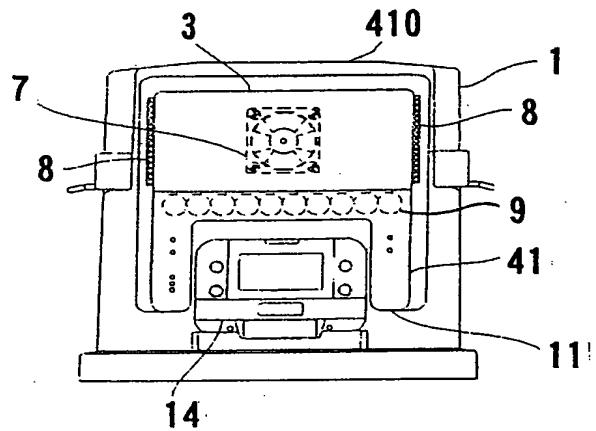


FIG. 79B

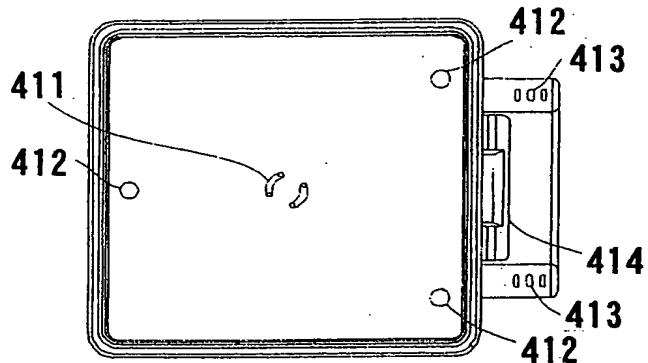
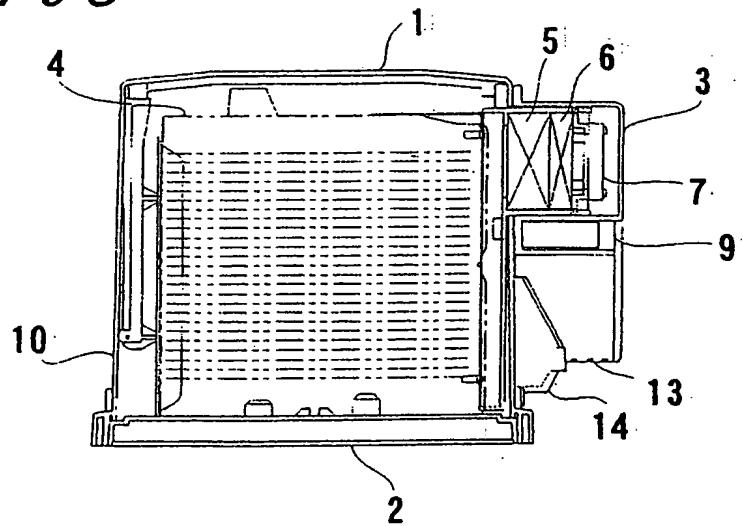
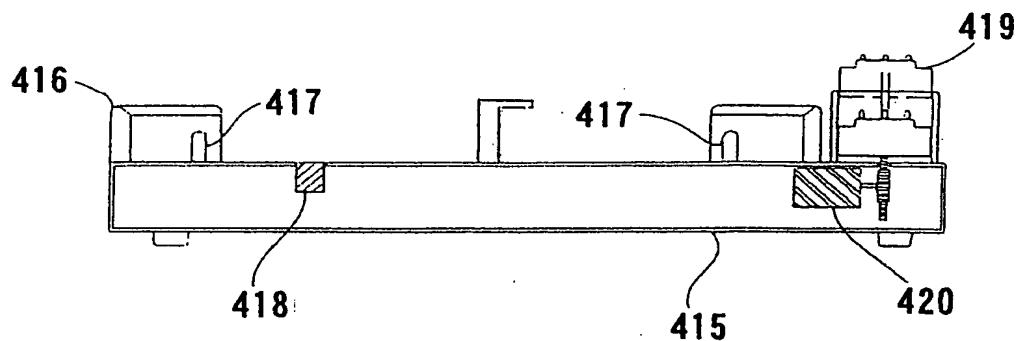


FIG. 79C

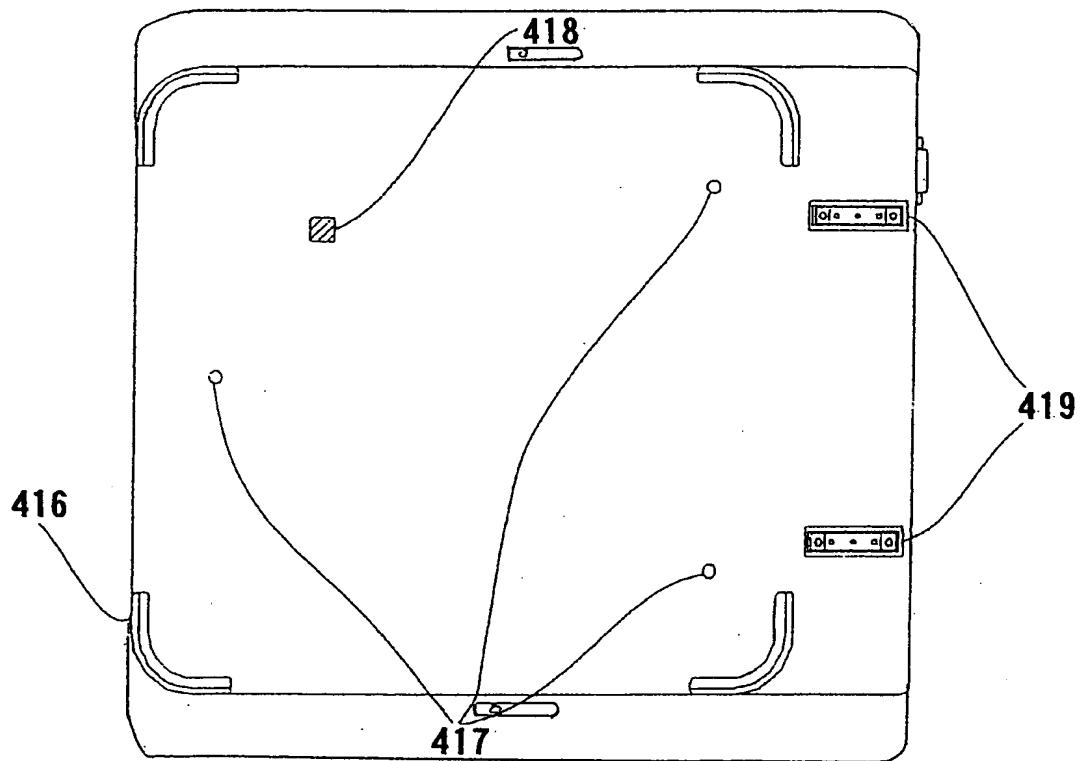


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F I G. 80A

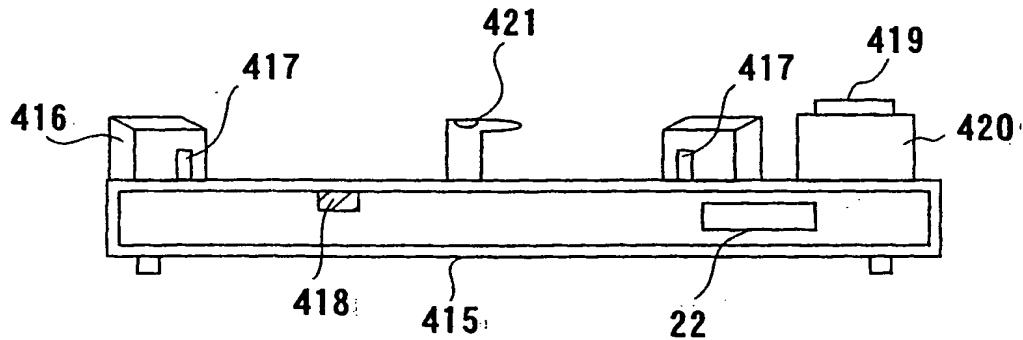


F I G. 80B

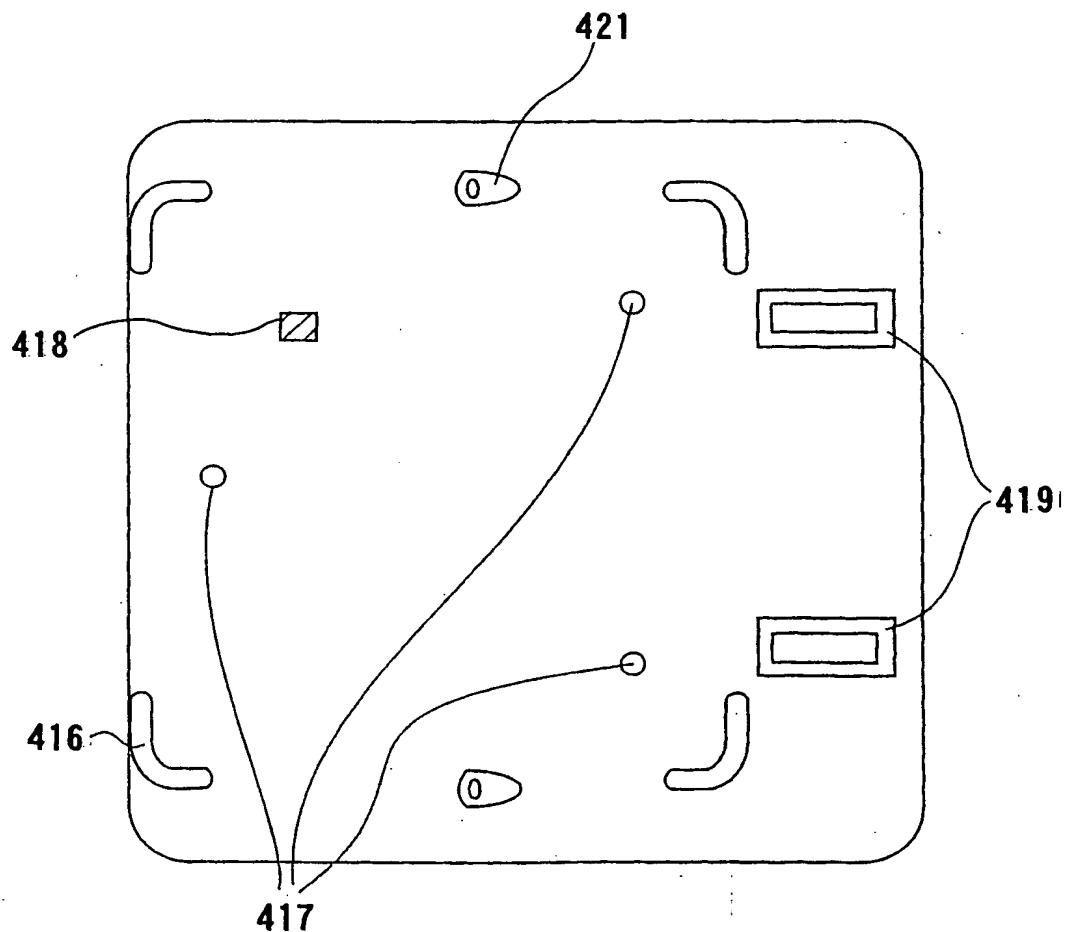


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F / G. 81 A

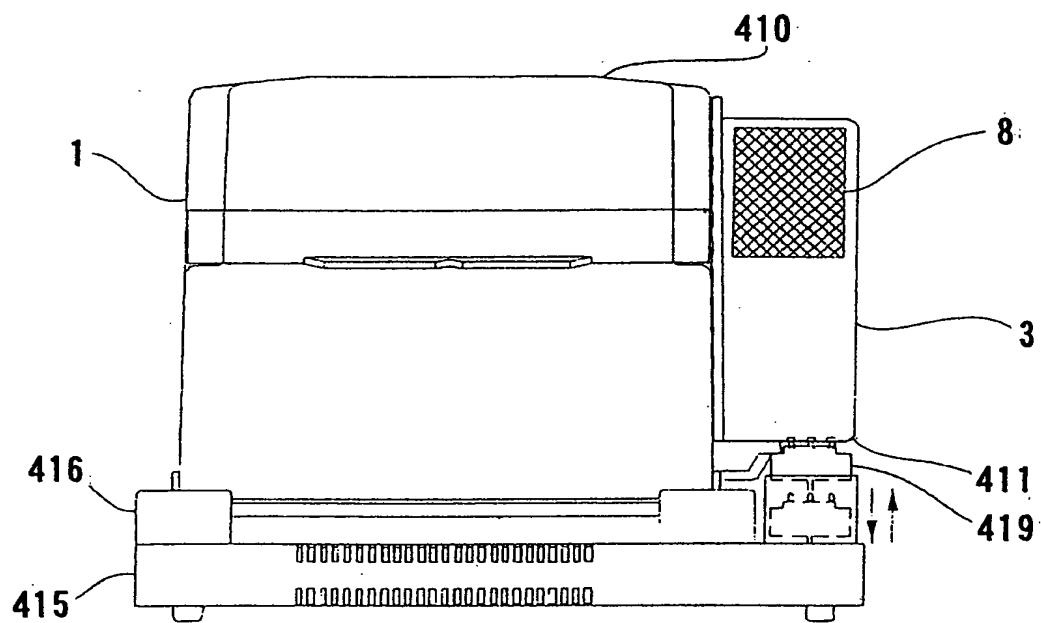


F / G. 81 B



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F I G. 82



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FIG. 83

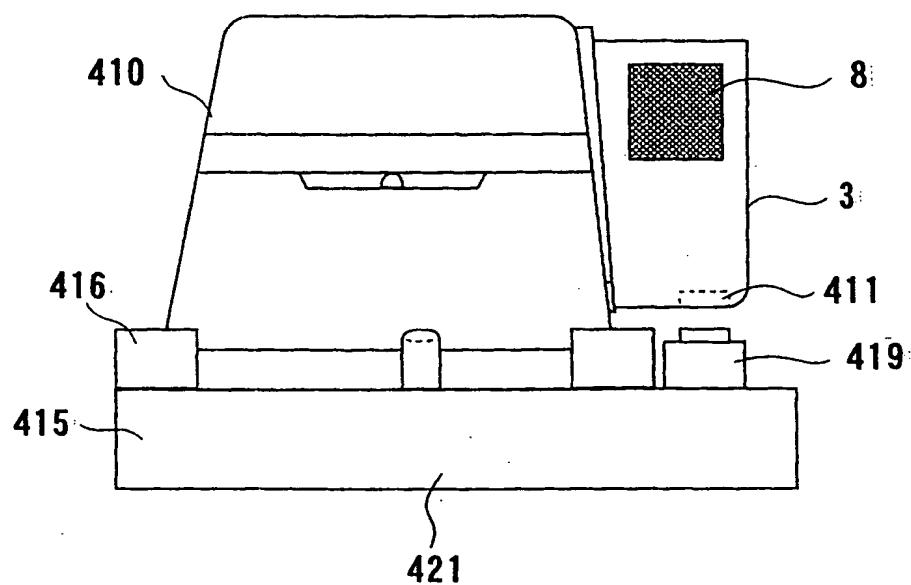
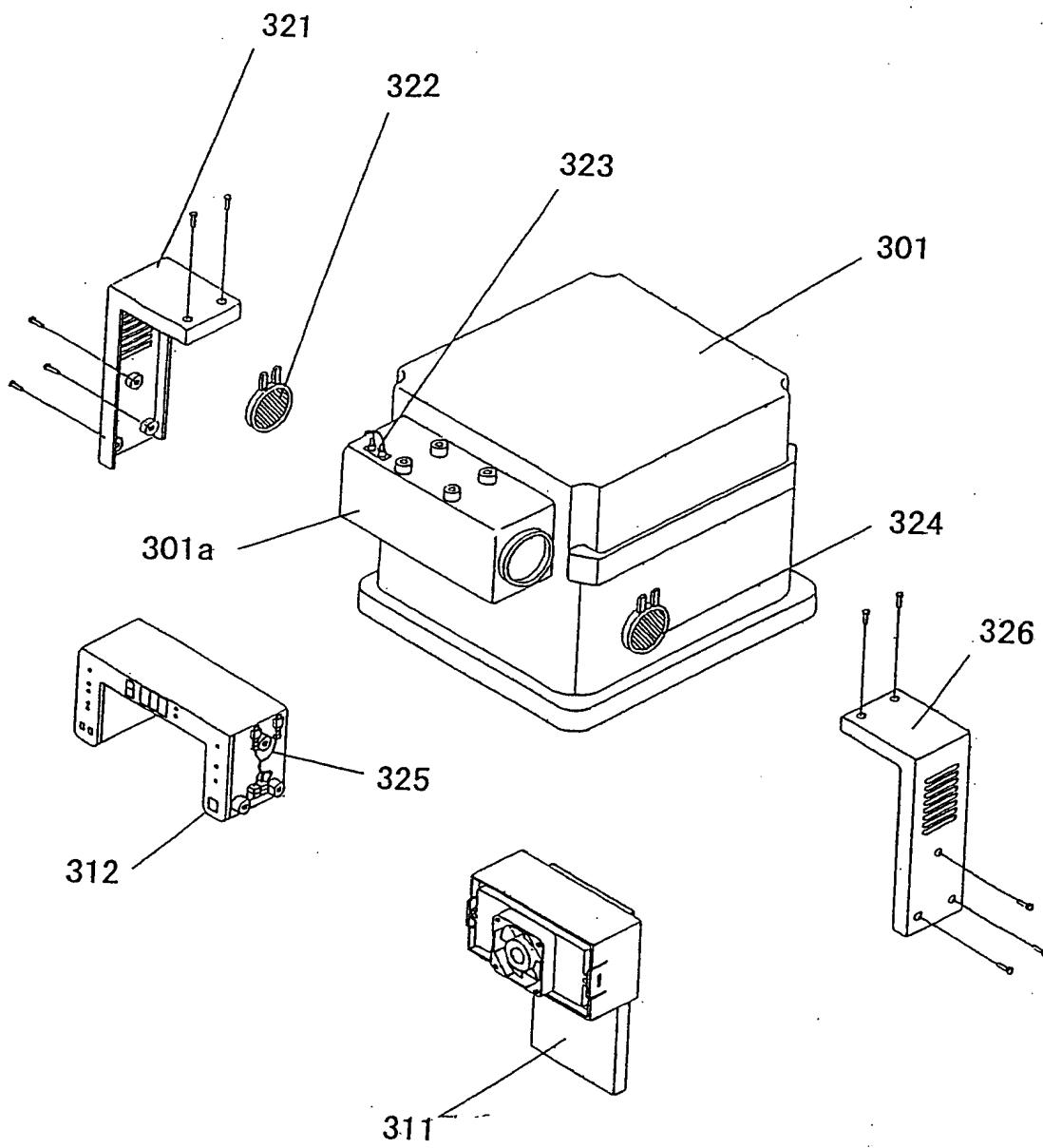


FIG. 84



F I G. 85

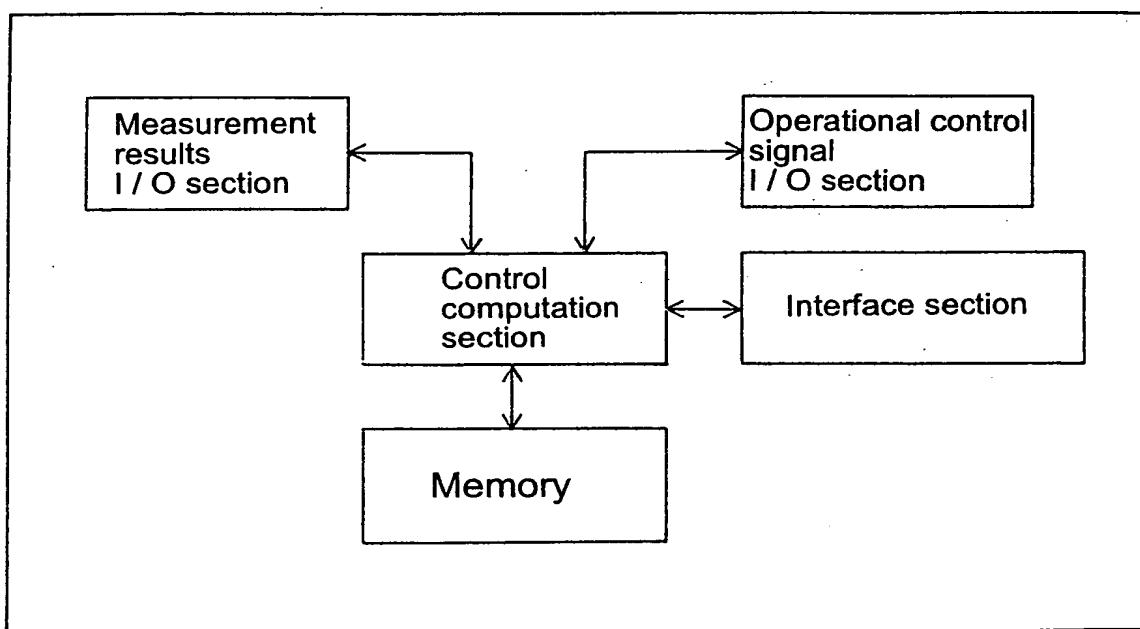
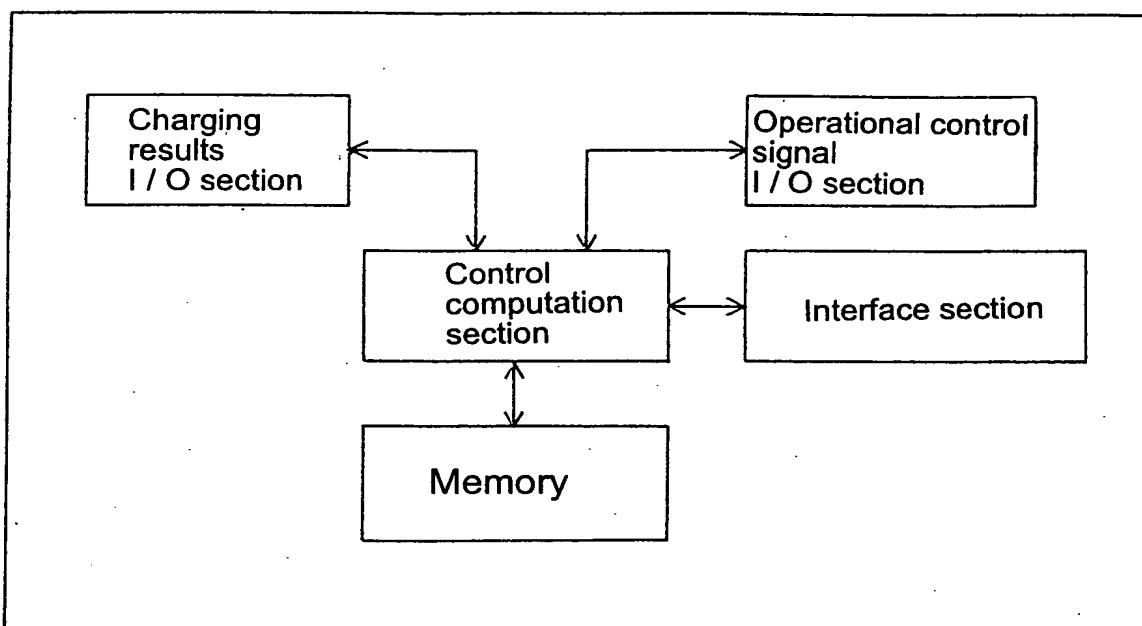


FIG. 86



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FIG. 87A

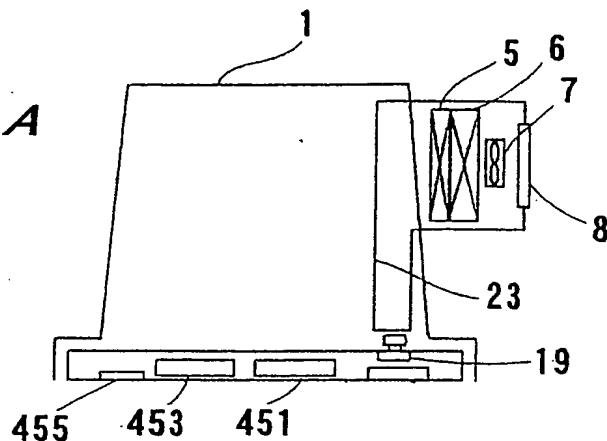


FIG. 87B

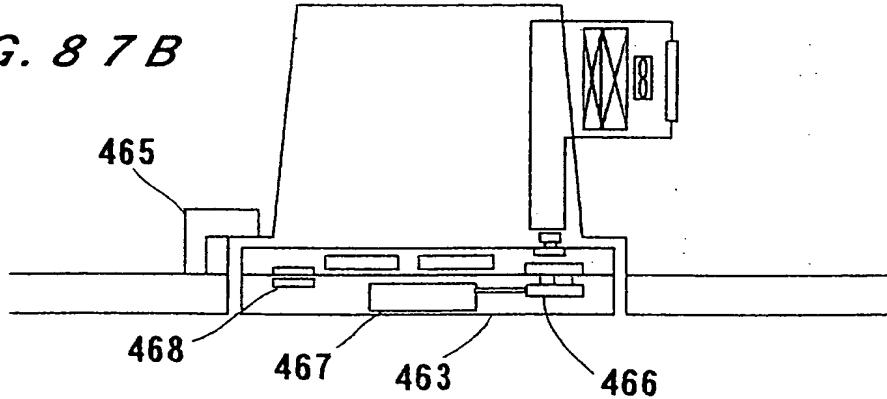
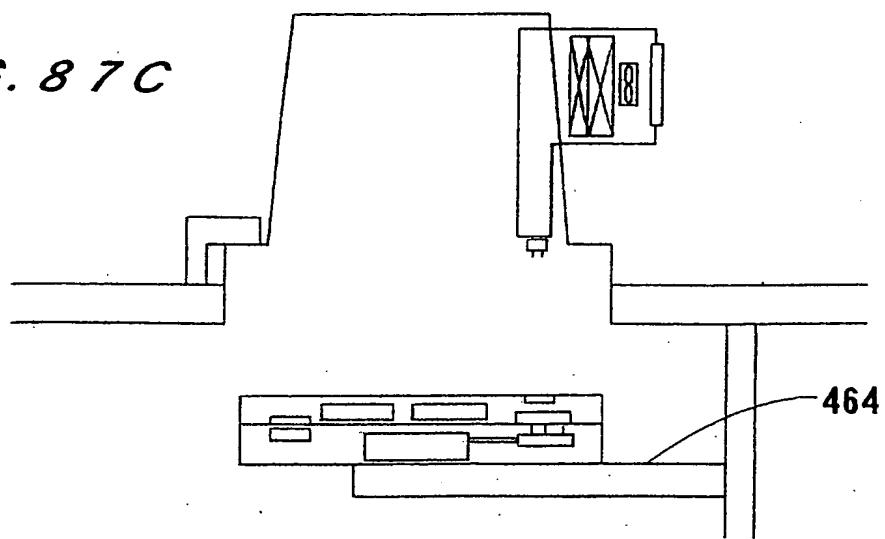
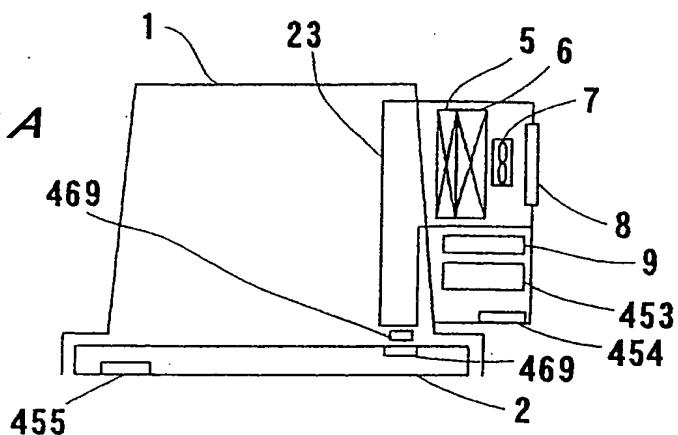


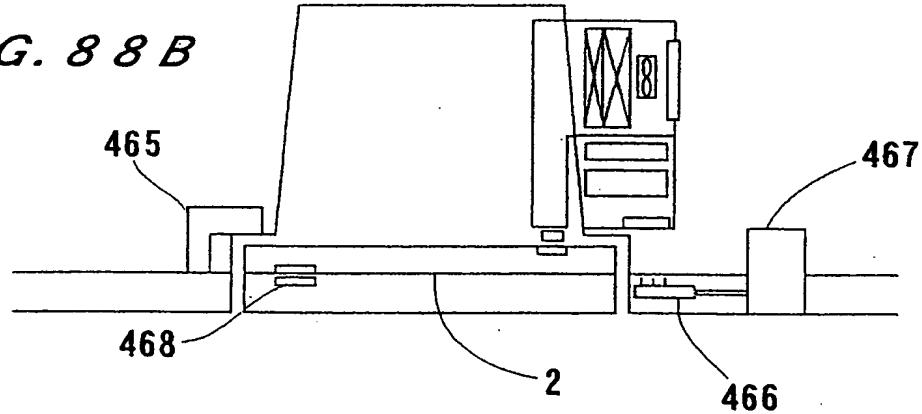
FIG. 87C



F / G. 88 A



F / G. 88 B



F / G. 88 C

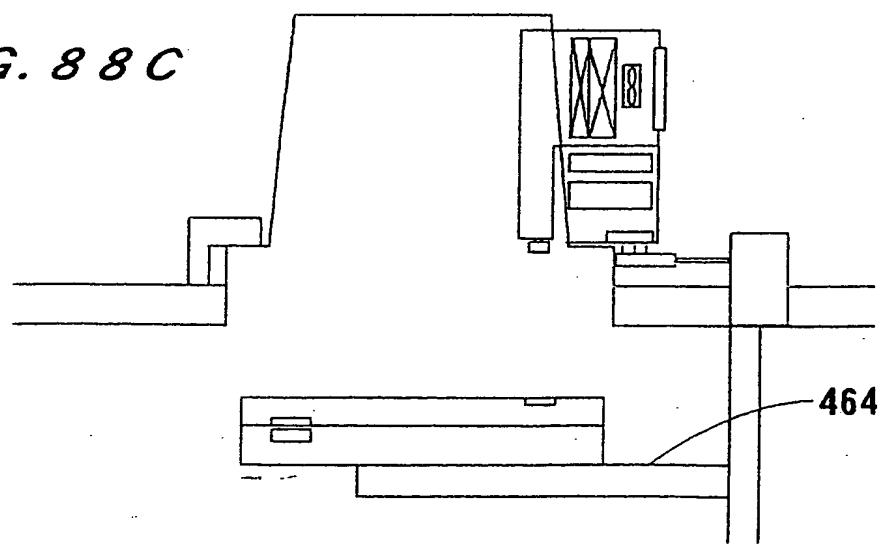


FIG. 89A

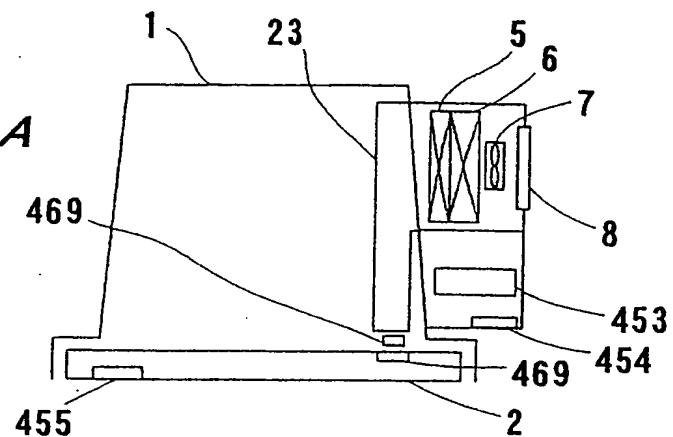


FIG. 89B

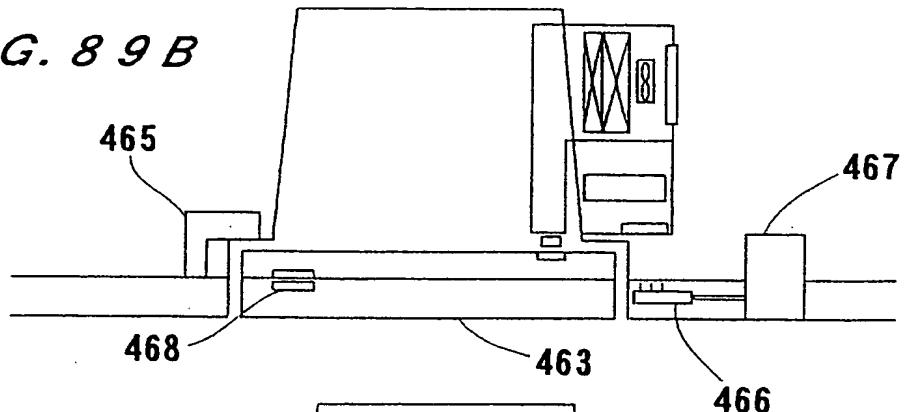


FIG. 89C

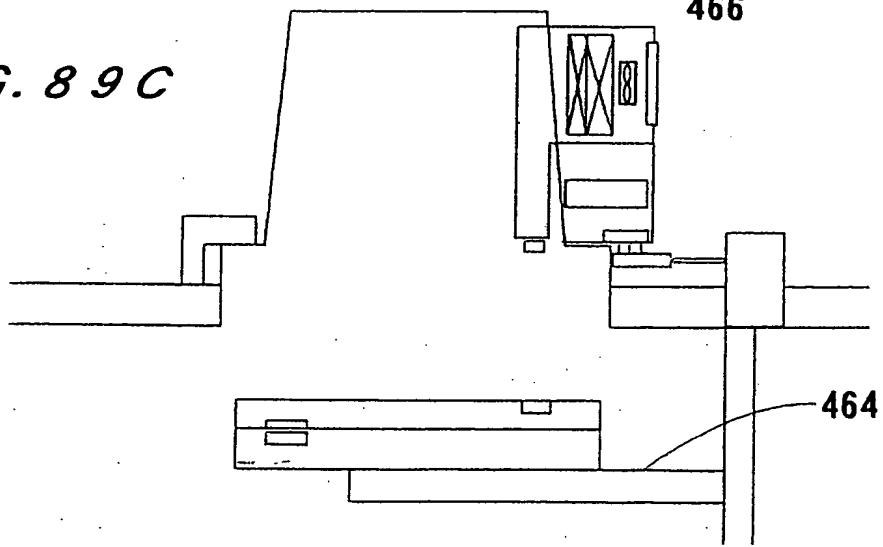


FIG. 90A

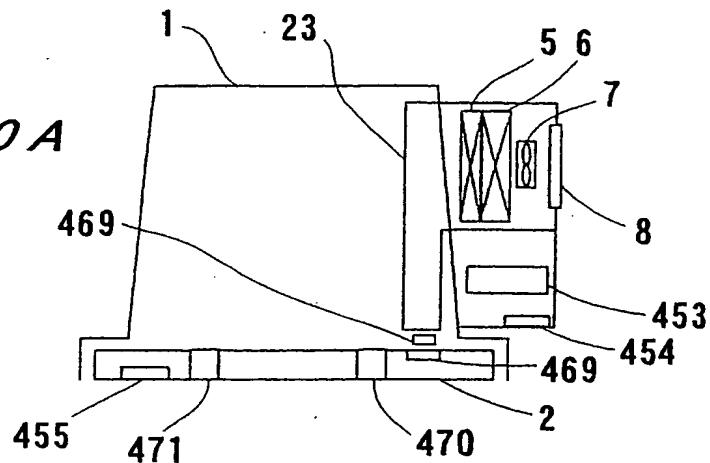


FIG. 90B

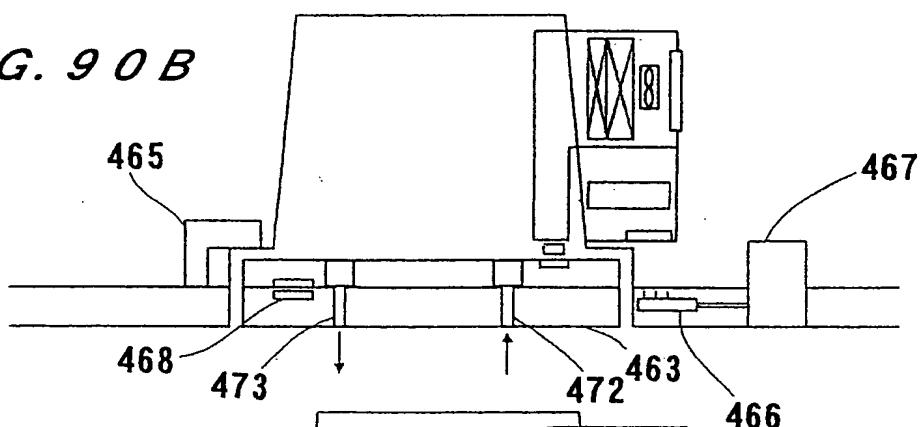
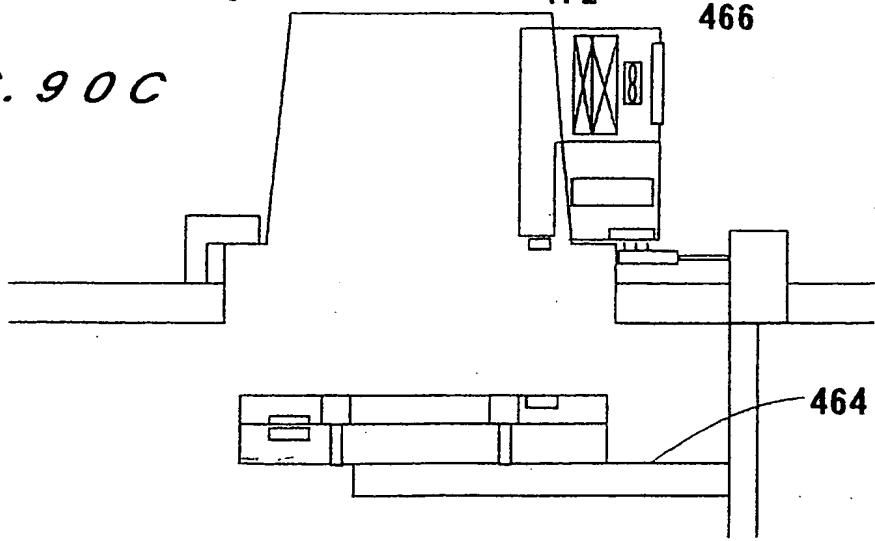


FIG. 90C



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F I G. 91

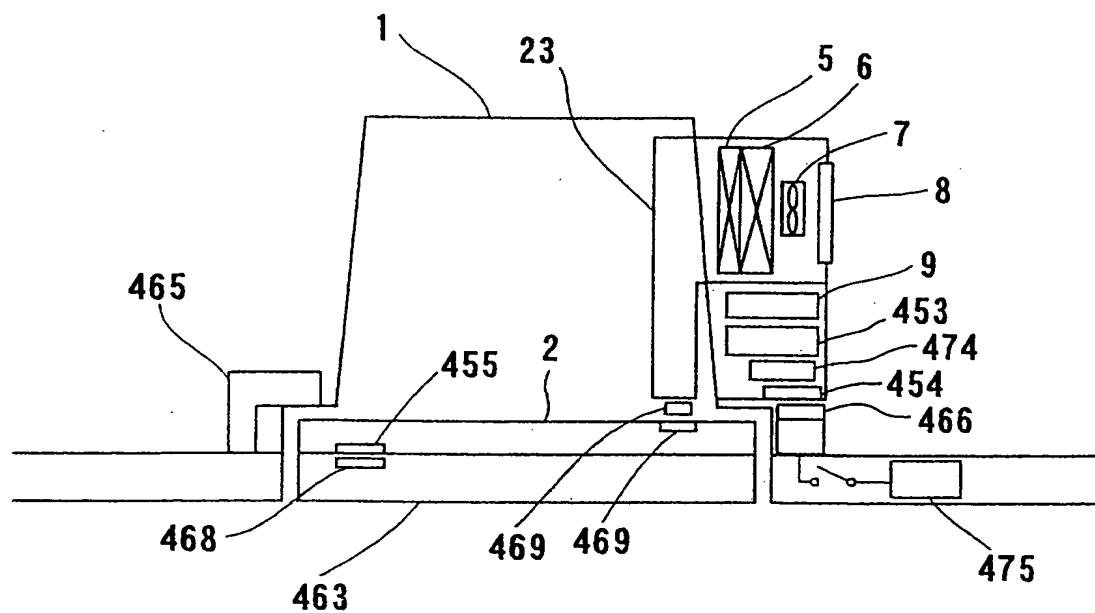


FIG. 92

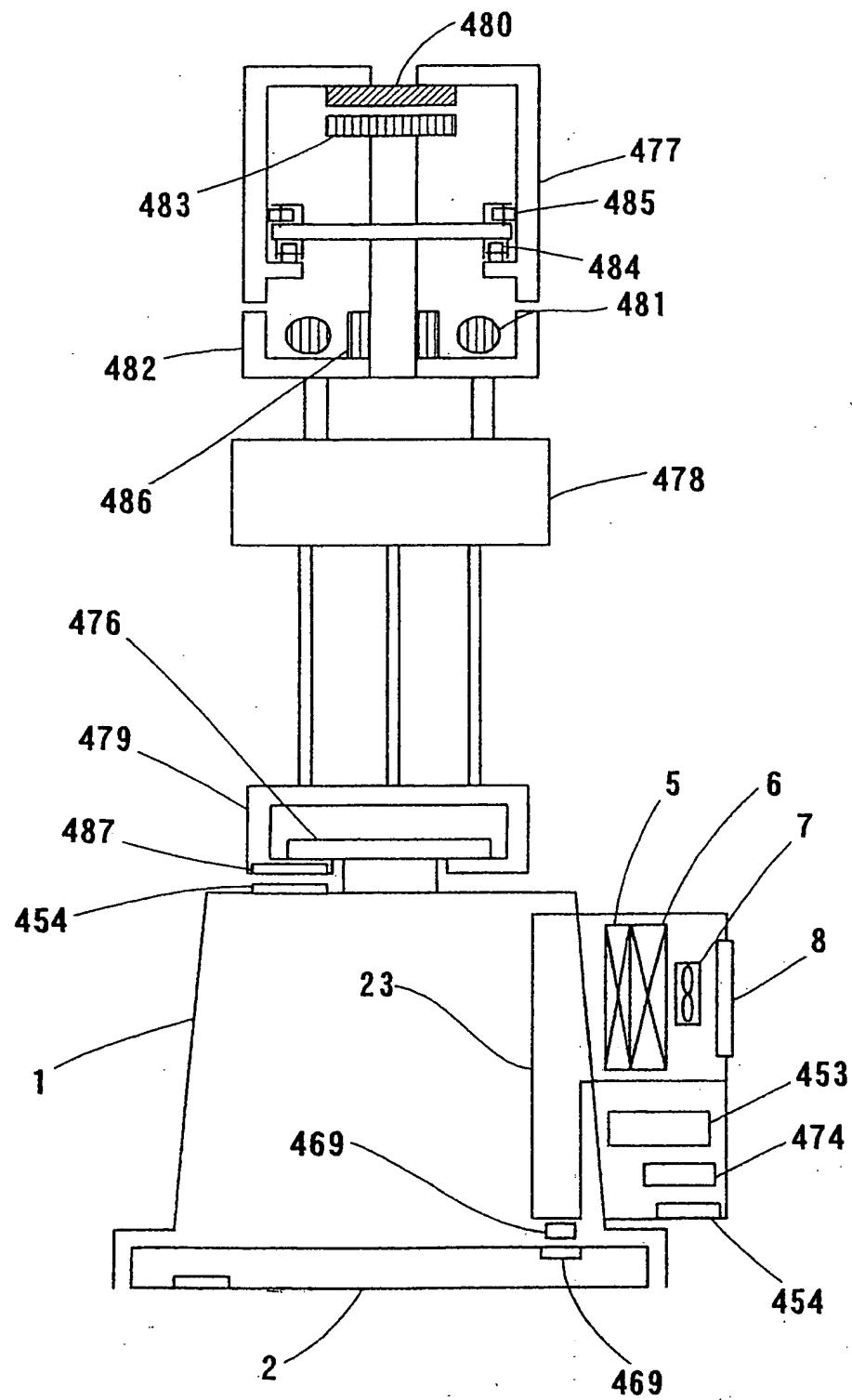
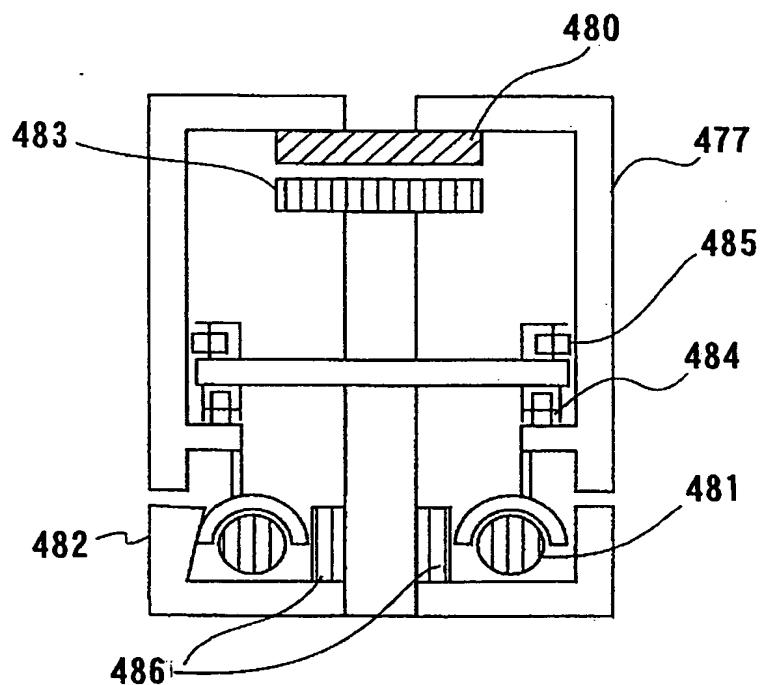


FIG. 93



F / G. 94

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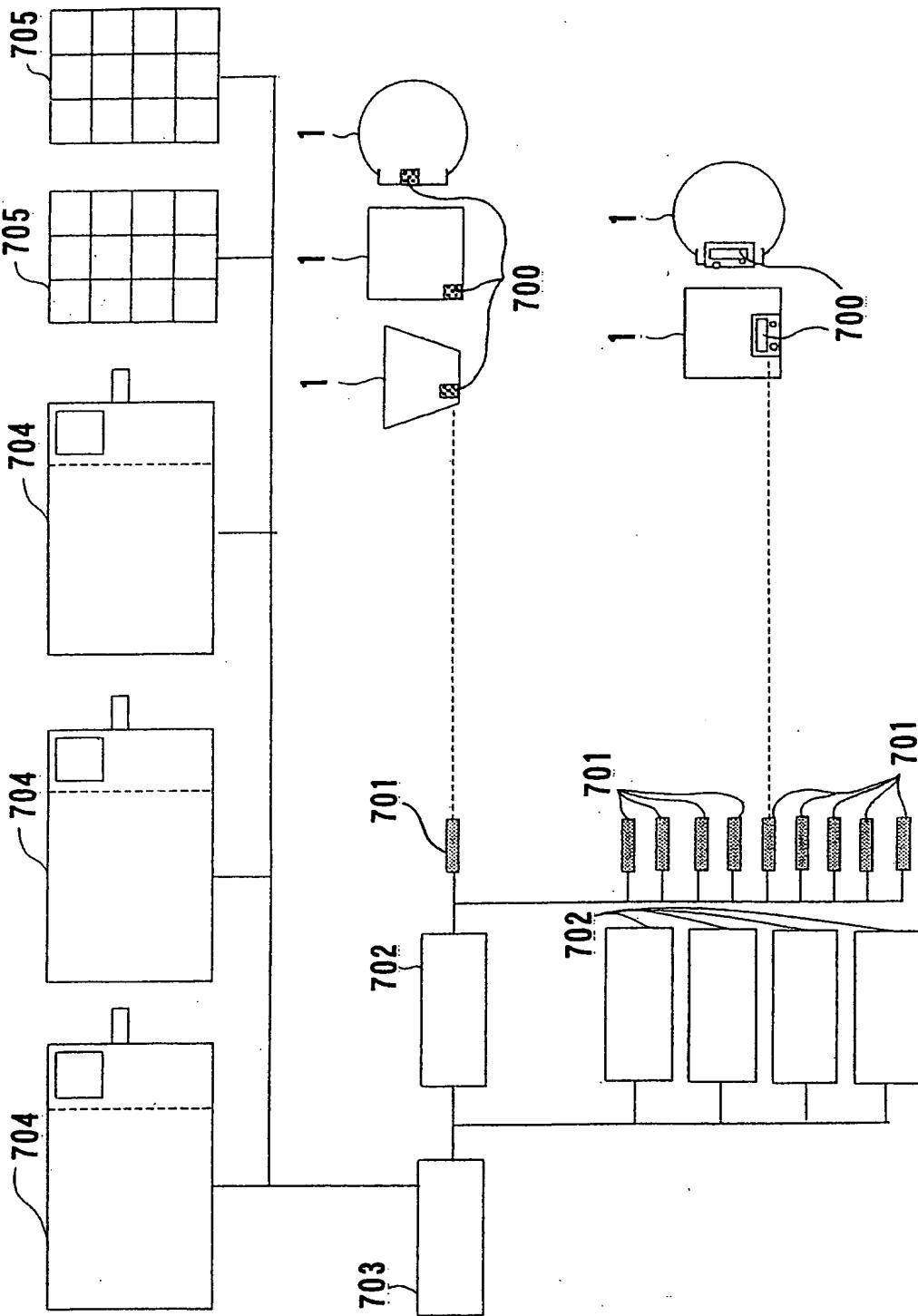


FIG. 95

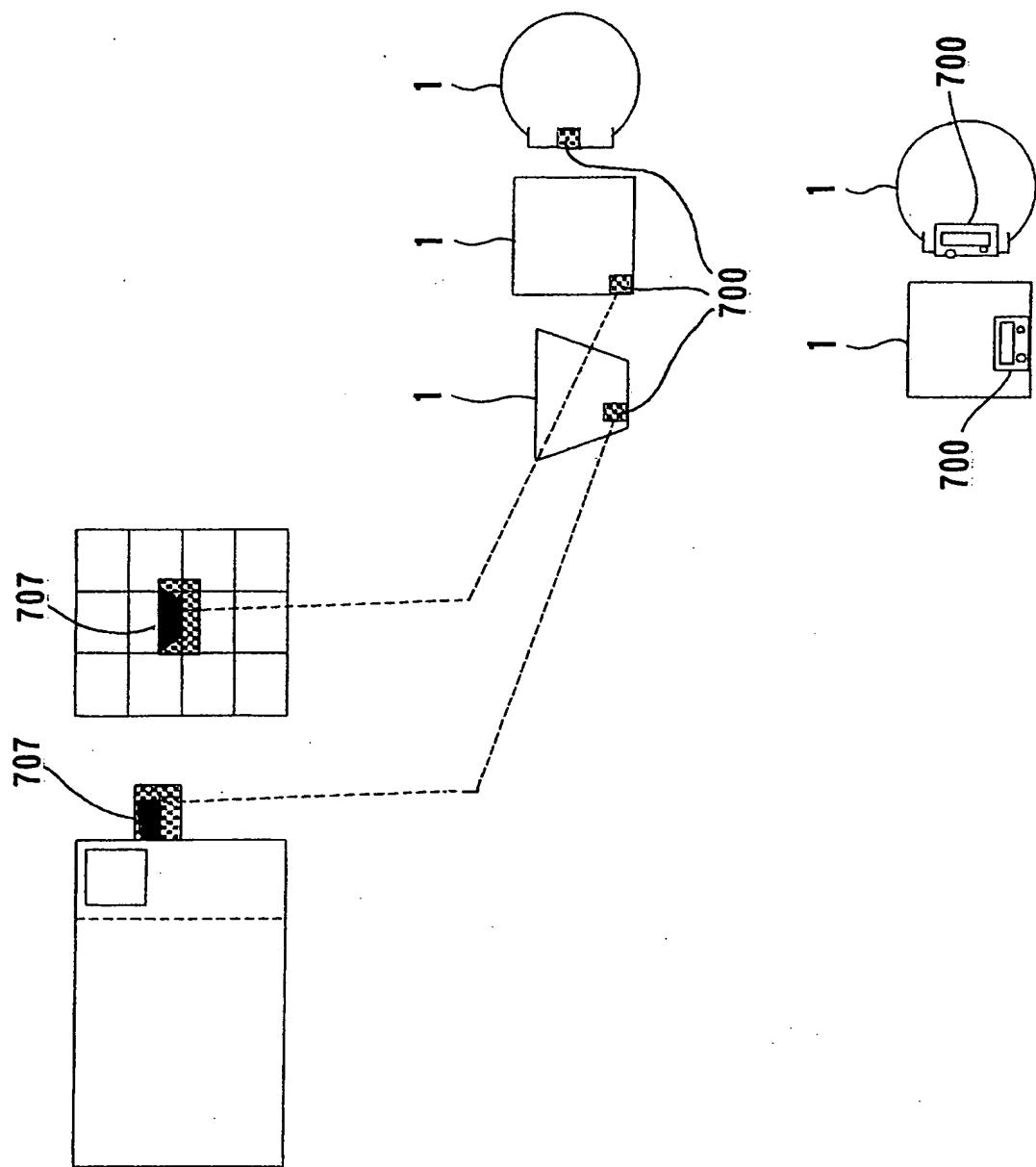
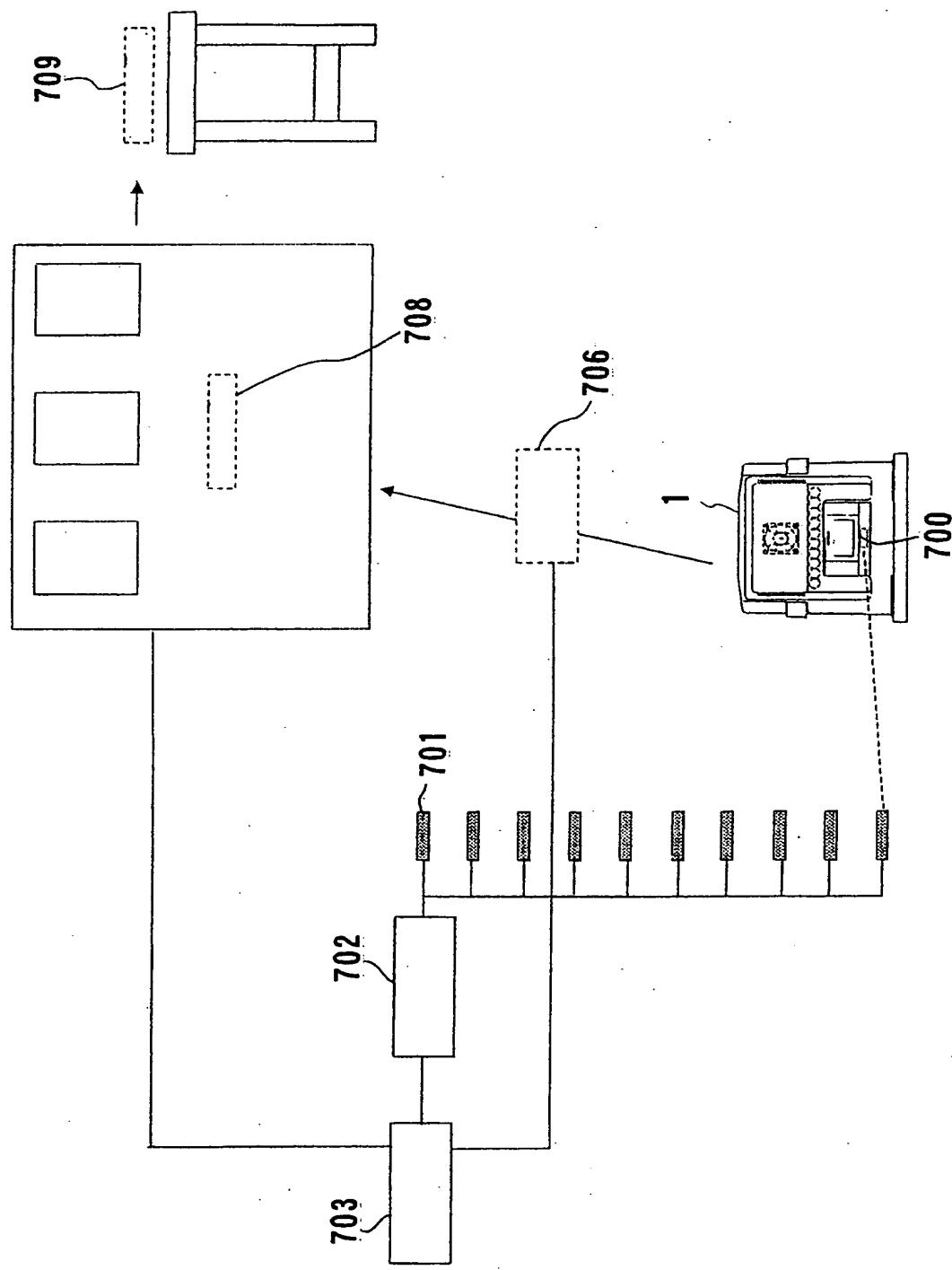
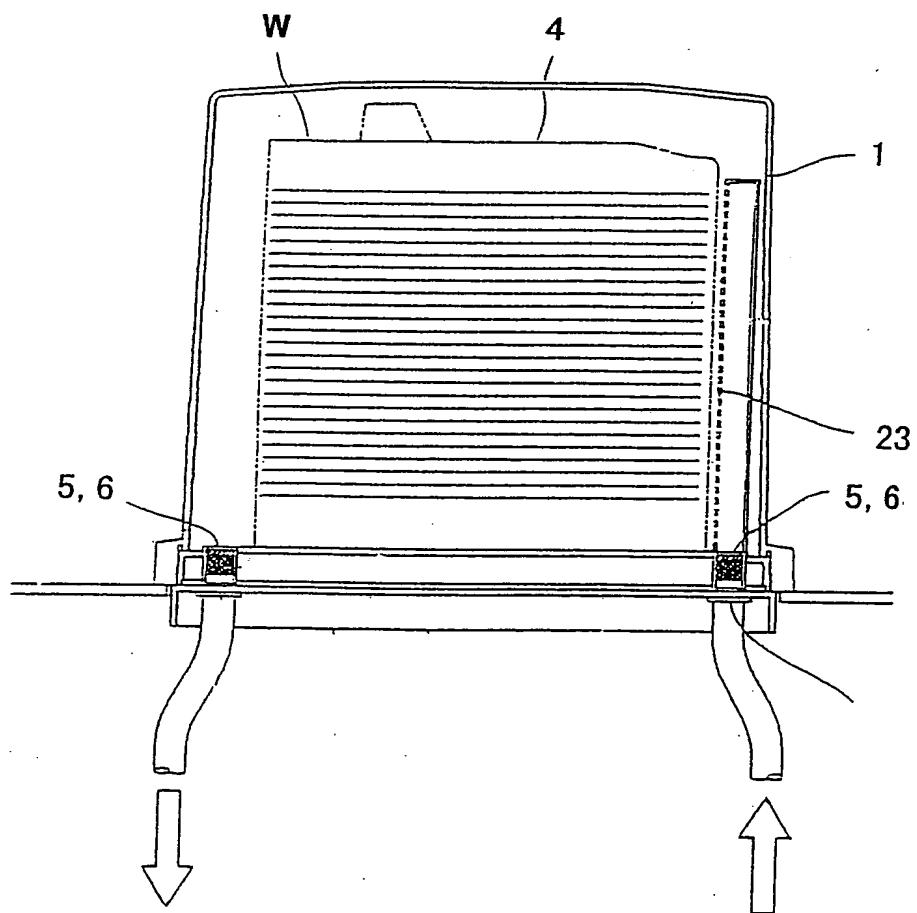


FIG. 96



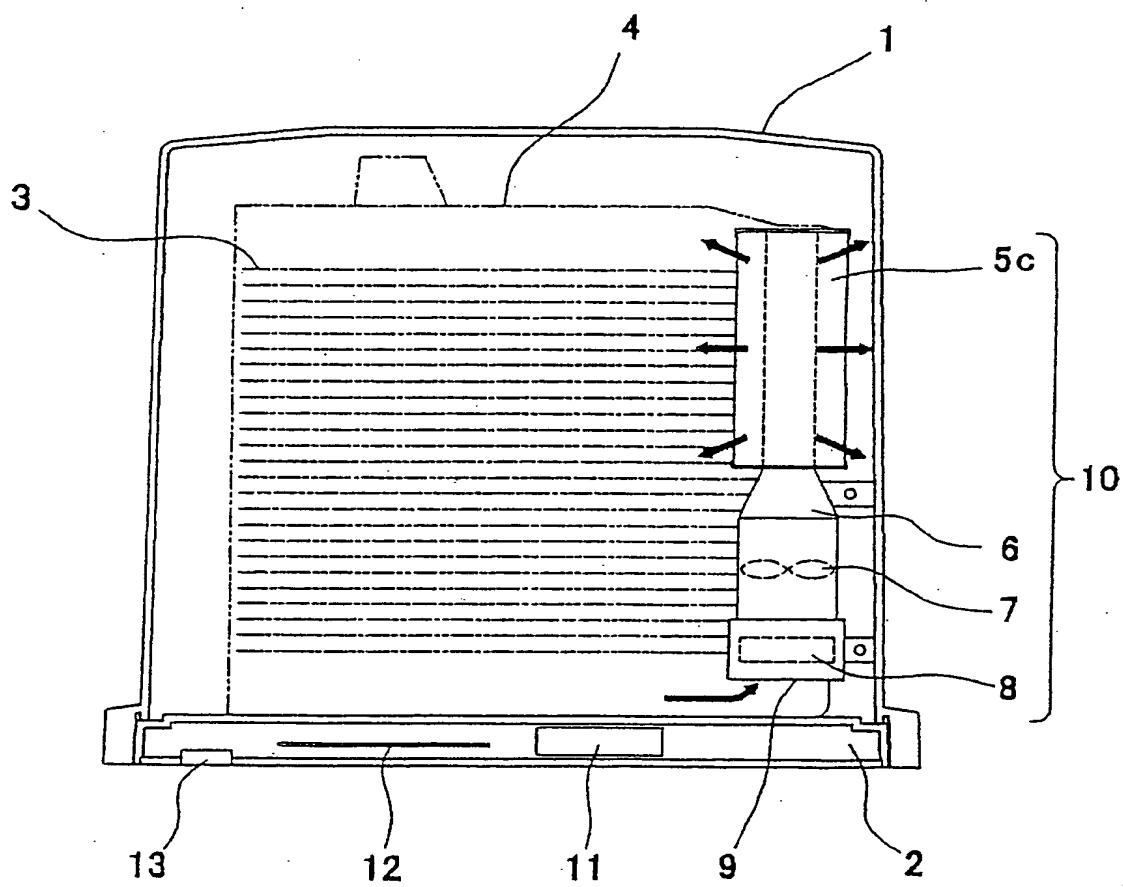
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FIG. 97



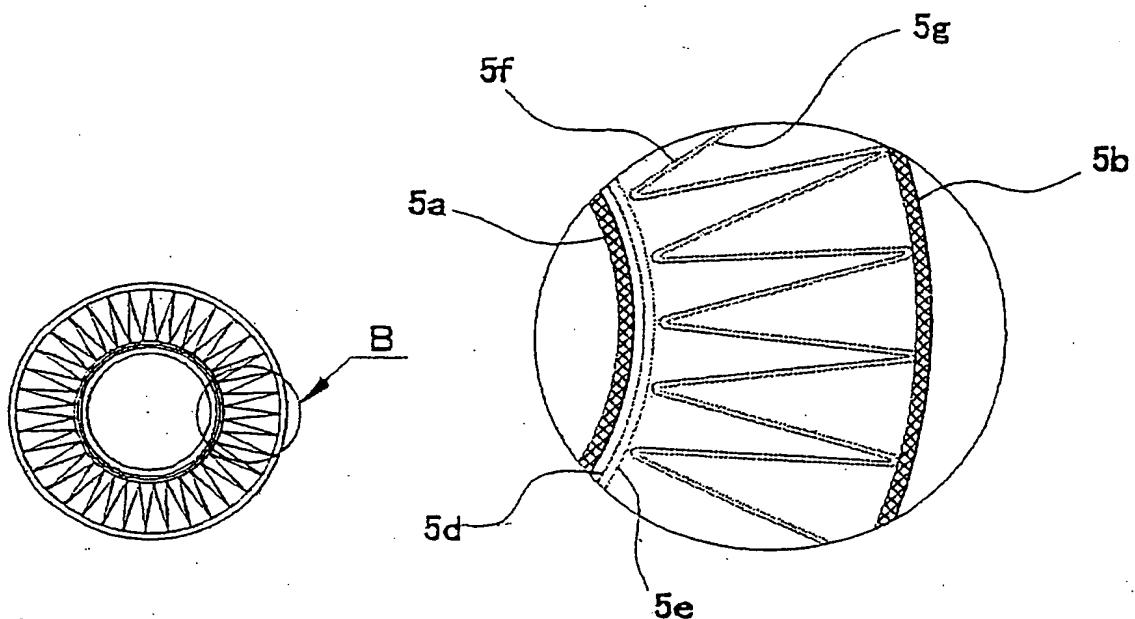
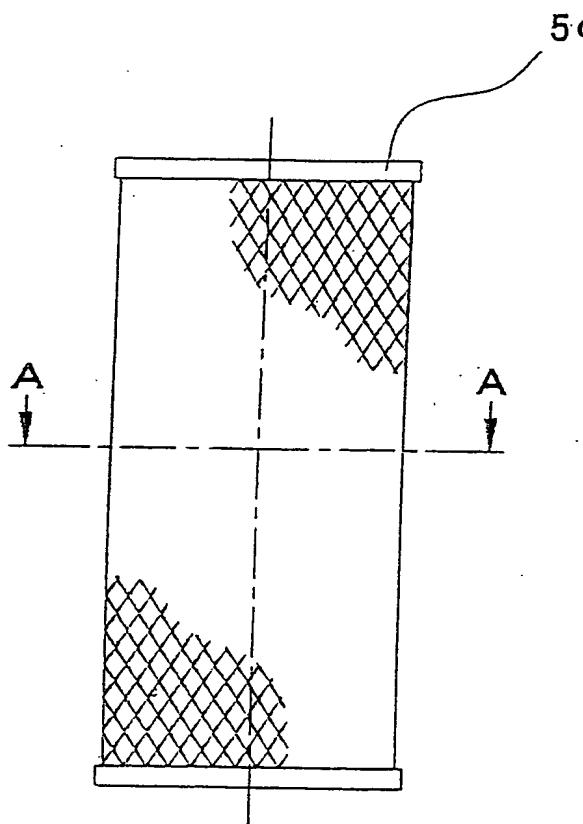
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F I G. 98



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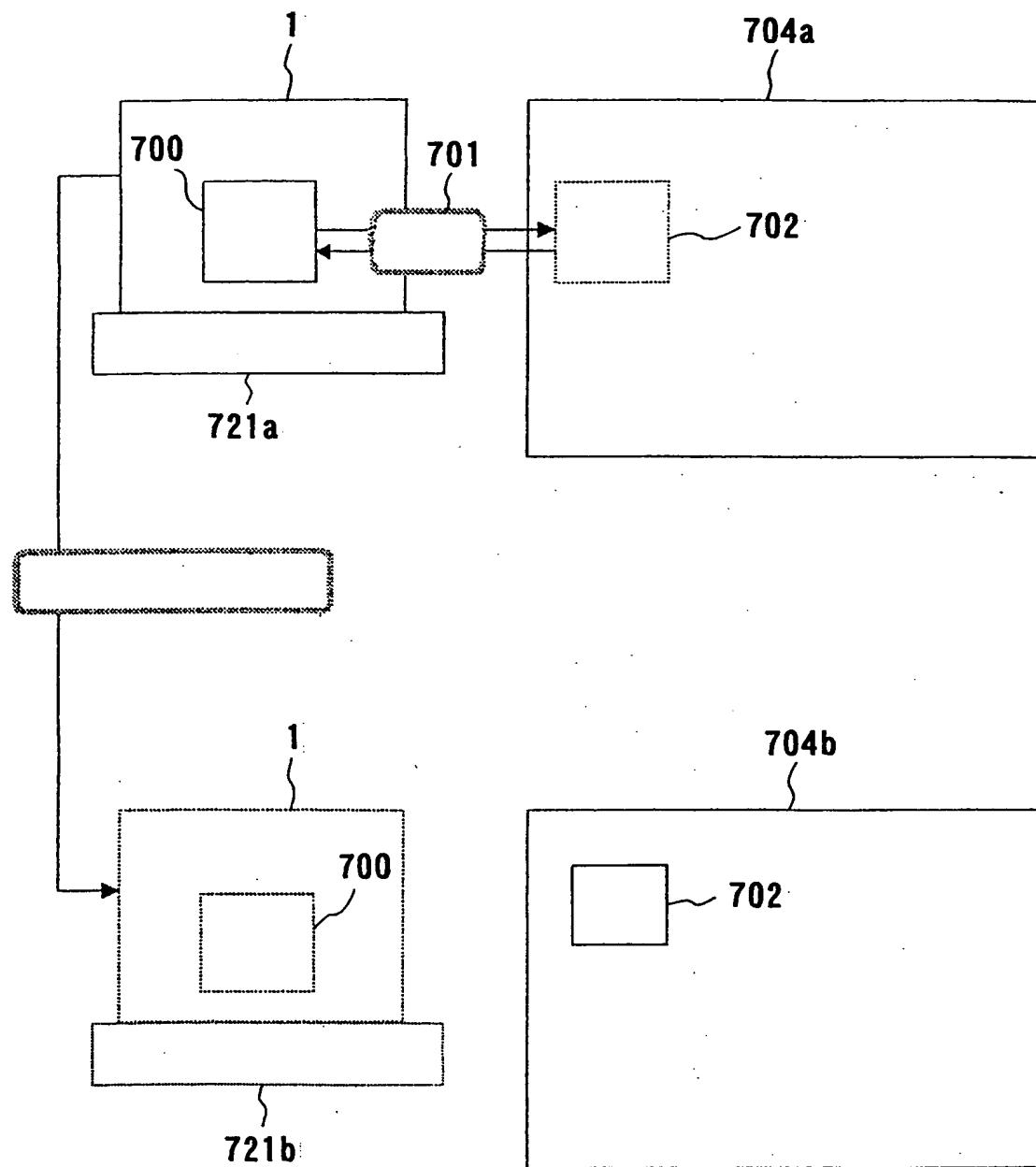
FIG. 99



A - A cross-sectional view

B enlarged view

F I G. 1 0 0



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FIG. 101

